

APPENDIX D

SPMD RESULTS AND DATA

This appendix presents estimated results for SPMDs on both a blank-corrected and an EPA-qualified basis. The procedures for blank correction and EPA-qualification are described in Section 5.3.6. In addition, Kaiser elected to deploy SPMDs upstream and downstream from the Upriver Dam Site. Sampling locations were selected to provide further information about PCB loadings across the entire river system. These sampling locations are shown on Figure D-1. Two locations upstream of the Upriver Dam Site were sampled (State Line and Barker Road), as were two locations downstream. The downstream stations were located below Monroe Street in downtown Spokane and further downstream at Riverside State Park.

SPMD – CALCULATIONS FOR ESTIMATION OF DISSOLVED WATER CONCENTRATIONS

Because the SPMD results are estimates of dissolved water concentrations based upon PCB congeners extracted from each SPMD, the calculations are presented below. Two sets of interrelated calculations were used: 1) using an empirical model based upon published uptake rates for each chemical; and 2) adjusting the empirical model using exposure adjustment factors (EAFs) which are based upon partitioning (loss) of chemicals spiked into the SPMD prior to deployment. The chemicals spiked into the SPMDs are termed performance reference compounds (PRCs) and the model that incorporates these chemicals is termed the PRC-based estimation model in the discussion below.

As mentioned above, two sets of calculations are required, first an EAF is calculated based upon the recovery of the PRC and then the average dissolved water concentration is estimated using this result.

Calculation of Exposure Adjustment Factor (EAF) for each Deuterated PAH

Equations from API publication #4690 (2002) were used to calculate an EAF. The EAF provides an estimate of the observed sampling efficiency relative to the sampling efficiency under calibration conditions using the recovery of the performance reference compound (PRC). The applicable PRCs for this study are deuterated PAHs (fluorene, anthracene, and benzo(a)pyrene) and an average EAF was calculated using all three PAH PRCs.

$$EAF = Ke\ PRC / Ke\ PRC\ cal$$

$$Ke\ PRC = (\ln(Cspmd\ initial / Csmpd\ final)) / t$$

$$Ke\ PRC\ cal = SPMD\ K1 / (Kspmd * Vspmd * Dspmd)$$

Where:

$Ke\ PRC$ = measured performance reference compound (PRC) loss constant (assumed to be linear)

$Ke\ PRC\ cal$ = PRC loss constant under calibration conditions

$Cspmd$ = Concentration of chemical in SPMD at beginning or end of sampling (initial or final) (pg/SPMD) Note that SPMD extracts were split between Axys (PCB congeners) and Columbia (PAHs). Therefore, a factor of 2 is used to adjust these results to a mass/SPMD basis.

t = time in days

$SPMD\ K1$ = SPMD uptake rate constant

$Kspmd$ = SPMD-water partitioning coefficient

$Vspmd$ = volume of SPMD; 0.0047 L for a standard SPMD

$Dspmd$ = density of SPMD; 0.957 for a standard SPMD

Estimation of Dissolved Water Concentration using EAF

Dissolved water concentrations were estimated using the following calculation:

$$Cwd = ((Cspmd * 2 / Ms) / (Rs / Ms) * EAF * t)$$

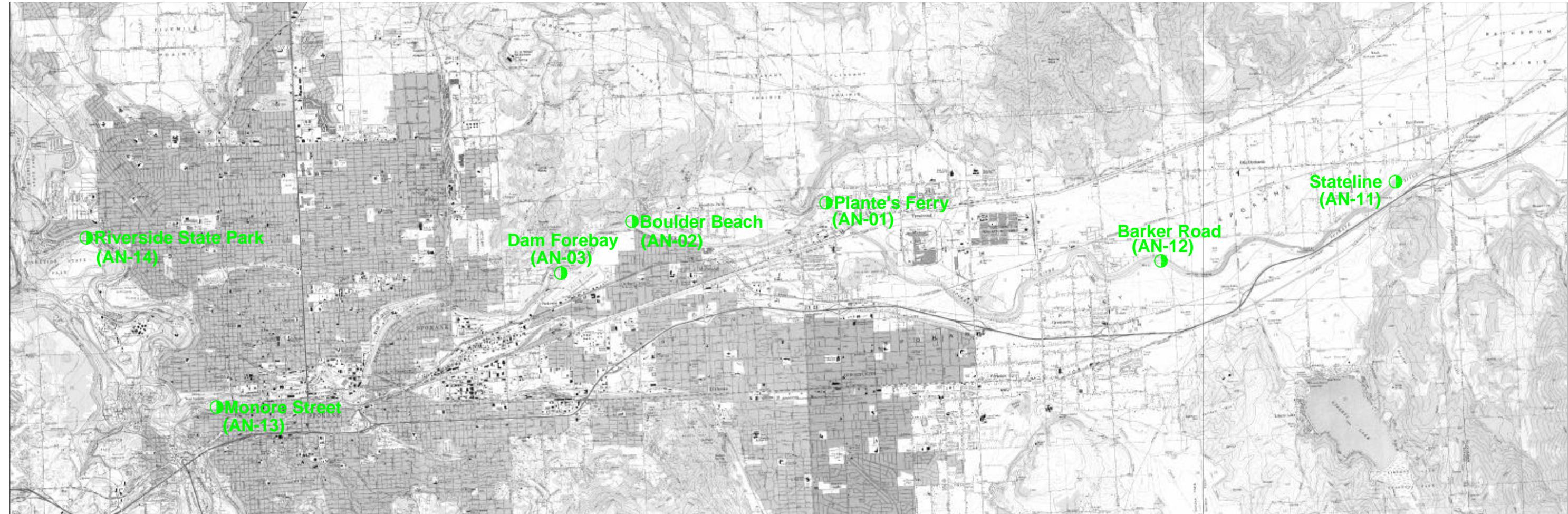
Where:

Rs = sampling rate in liters/day (from API 2002)

Ms = mass of SPMD (layflat tube and triolein); 4.5 g for standard SPMD

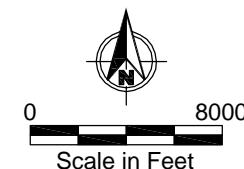
(other variables are defined above)

2 = Axys analyzed $\frac{1}{2}$ the SPMD extract and reported results as ng/extract; this converts these results to ng/SPMD

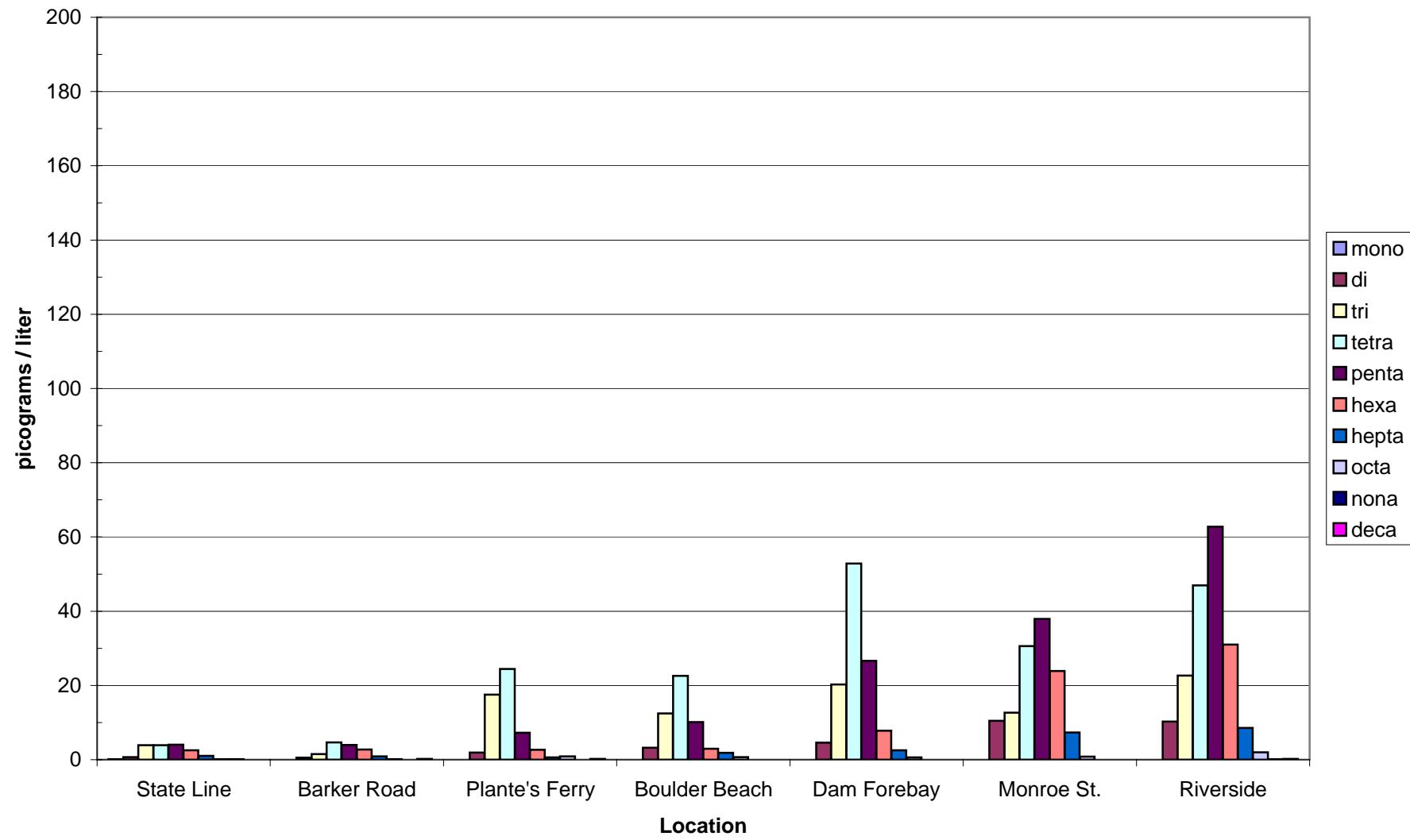


Nov 23, 2004 7:34am cdavidson K:\Jobs\020073-Upriver\02007301\02007301-27.dwg FIG D.1

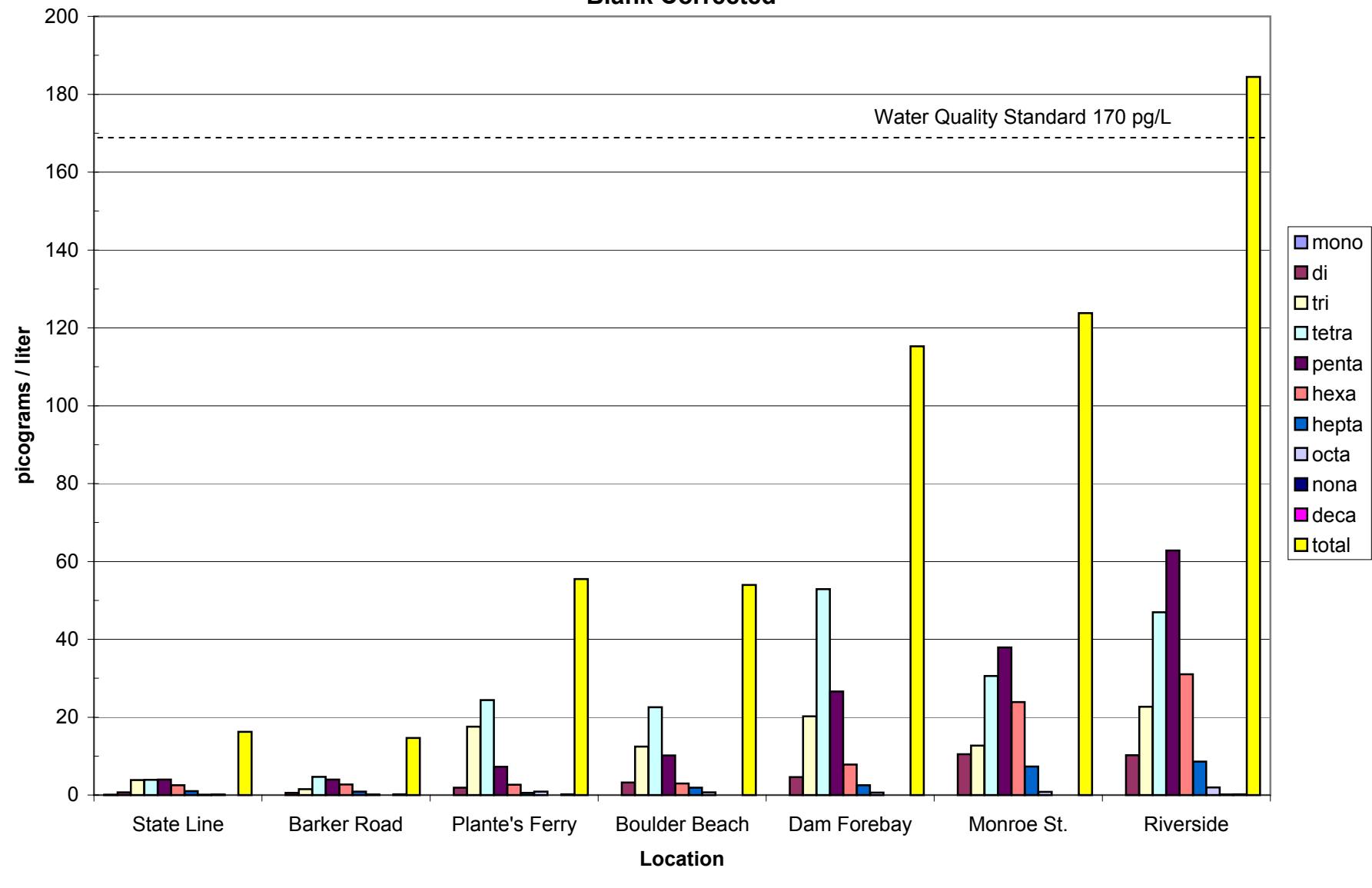
①Plante's Ferry SPMD and Water Sample Location and Number
(AN-01)

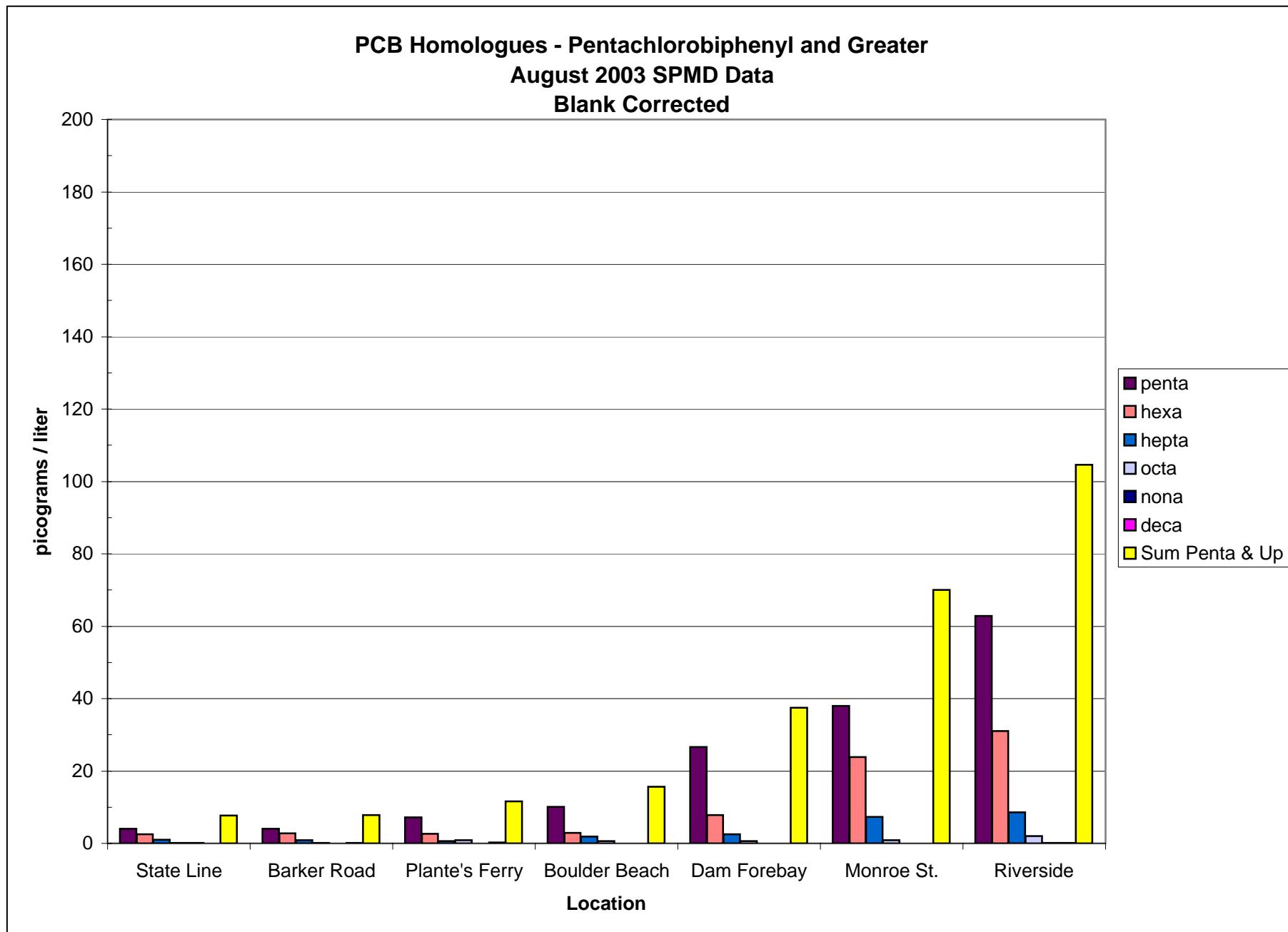


PCB Homologues by Station
August 2003 SPMD Data
Blank Corrected

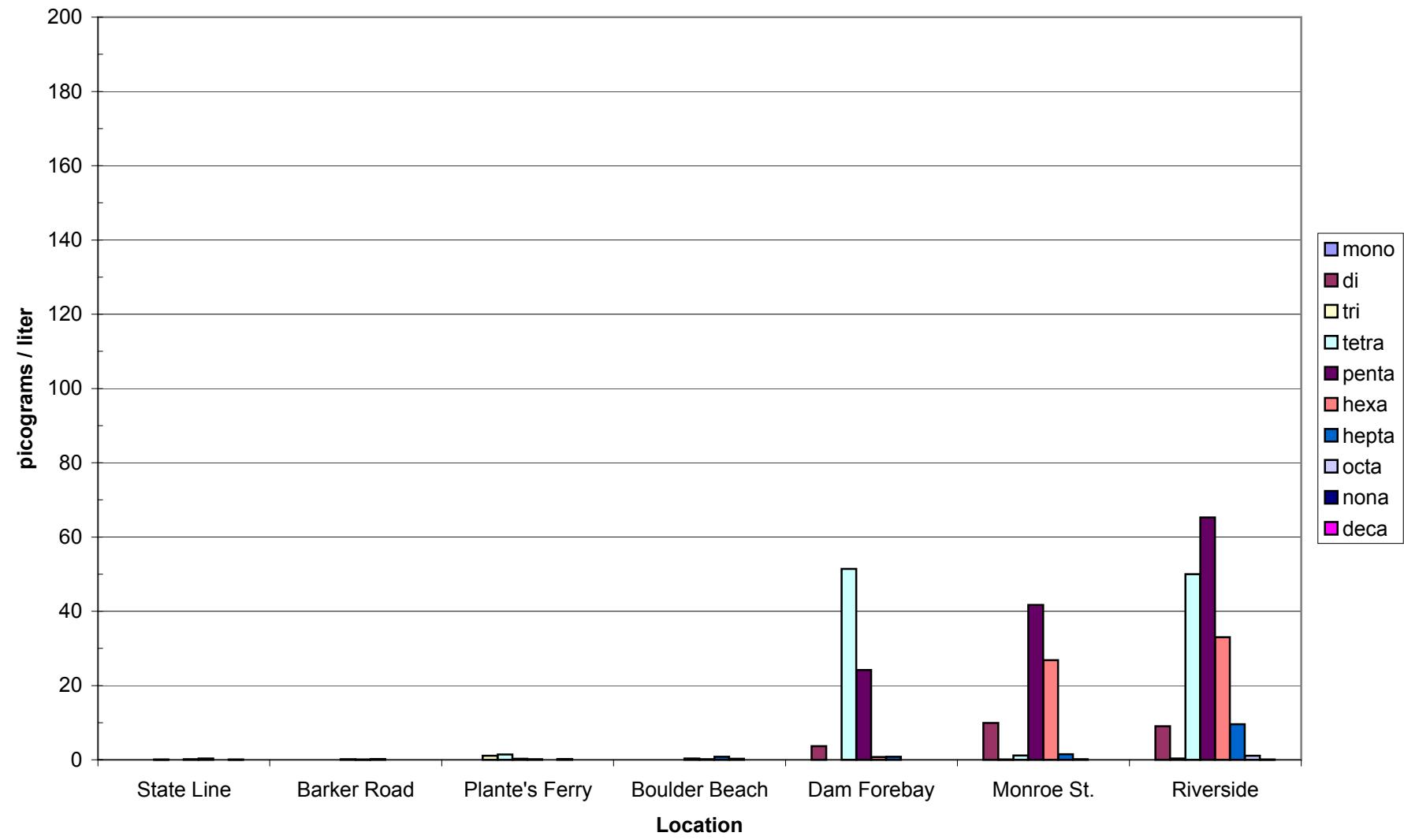


Total PCBs and PCB Homologues by Station
August 2003 SPMD Data
Blank Corrected





**PCB Homologues by Station
August 2003 SPMD Data
Qualified Per EPA Region X Guidelines**



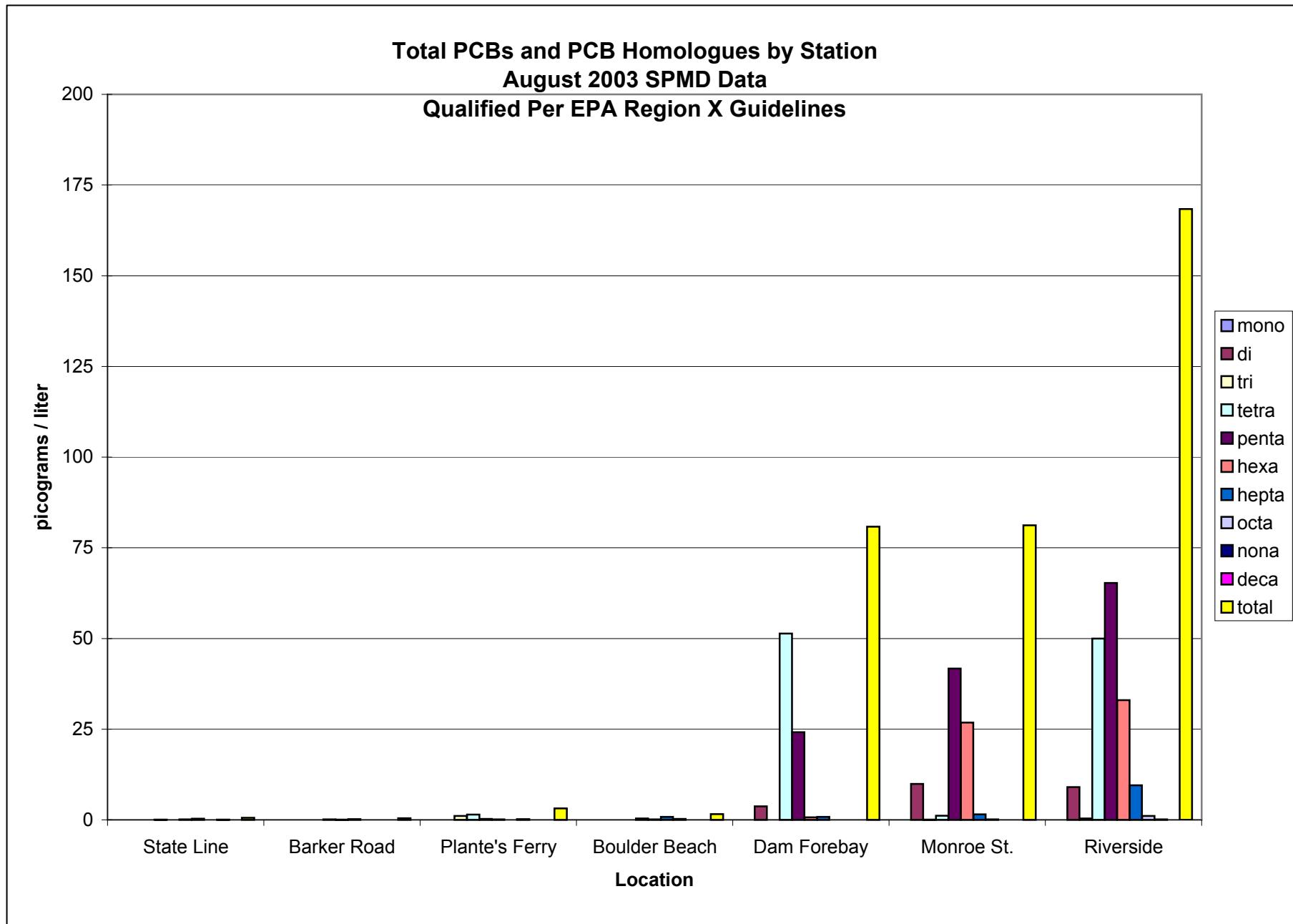


Figure D-6

Total PCBs and PCB Homologues by Station August 2003 SPMD Data
 Qualified per EPA Region X Guidelines

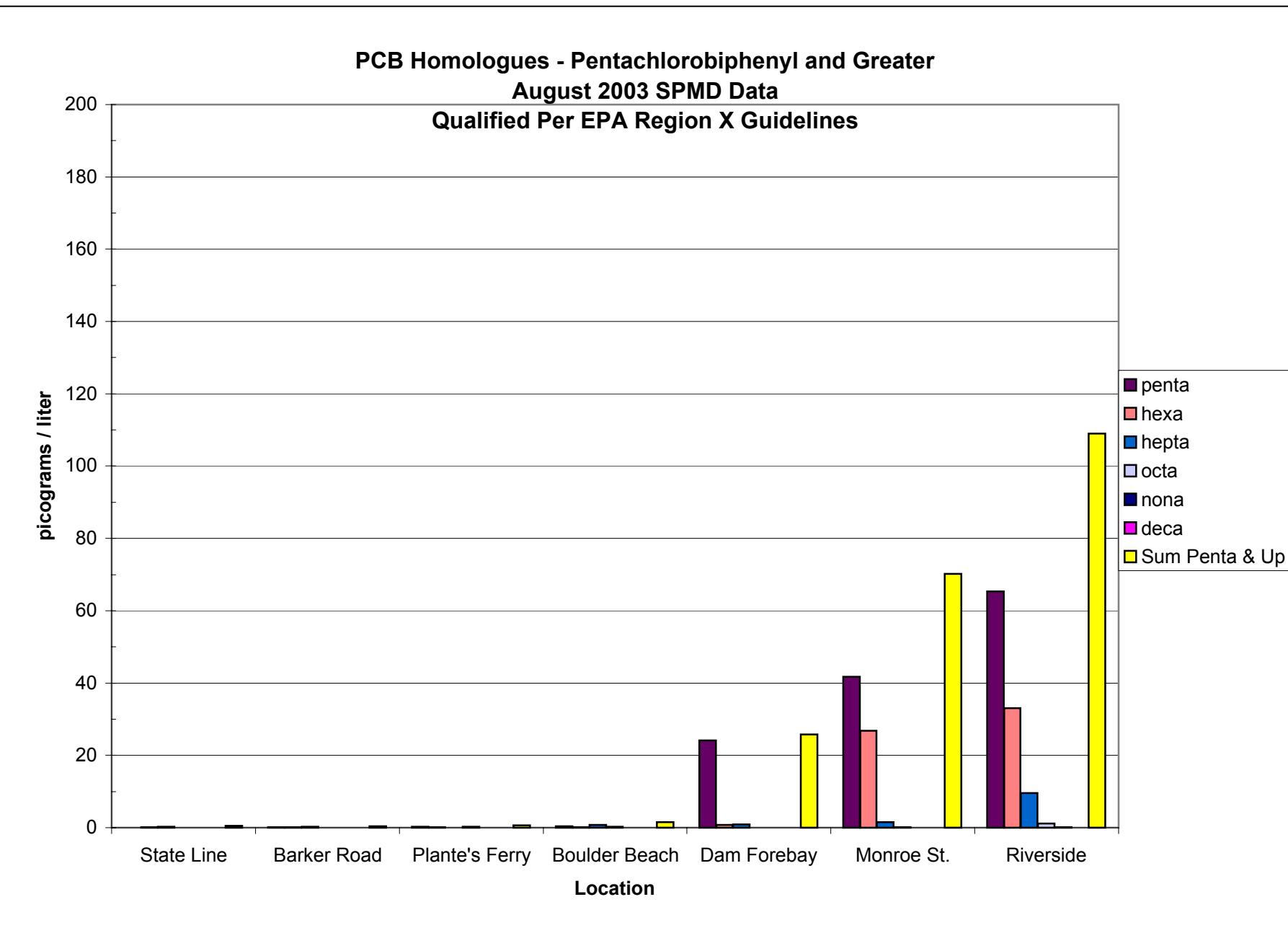
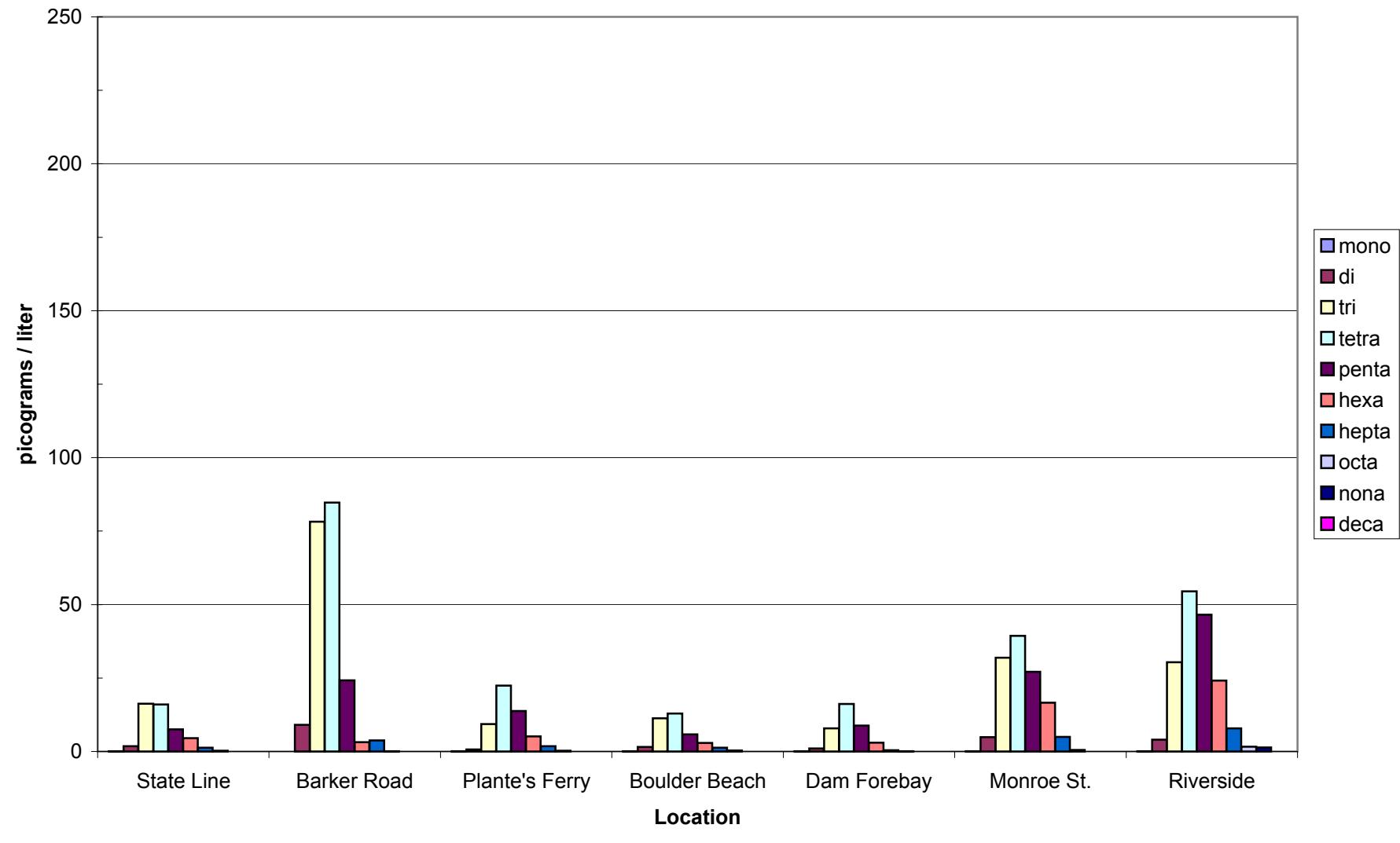


Figure D-7

PCB Homologues - Pentachlorobiphenyl and Greater August 2003 SPMD Data
 Qualified per EPA Region X Guidelines

PCB Homologues by Station
December 2003 SPMD Data
Blank Corrected



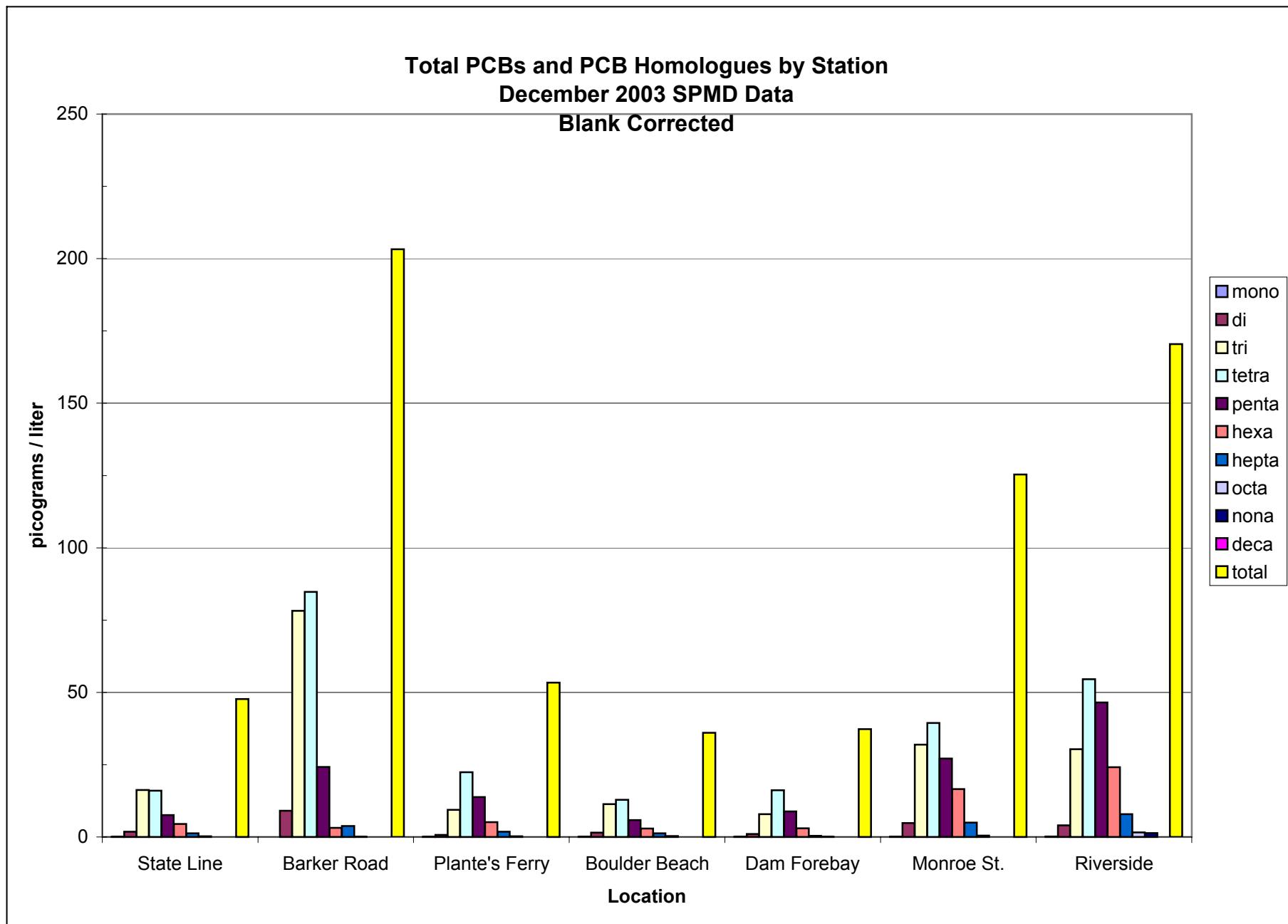
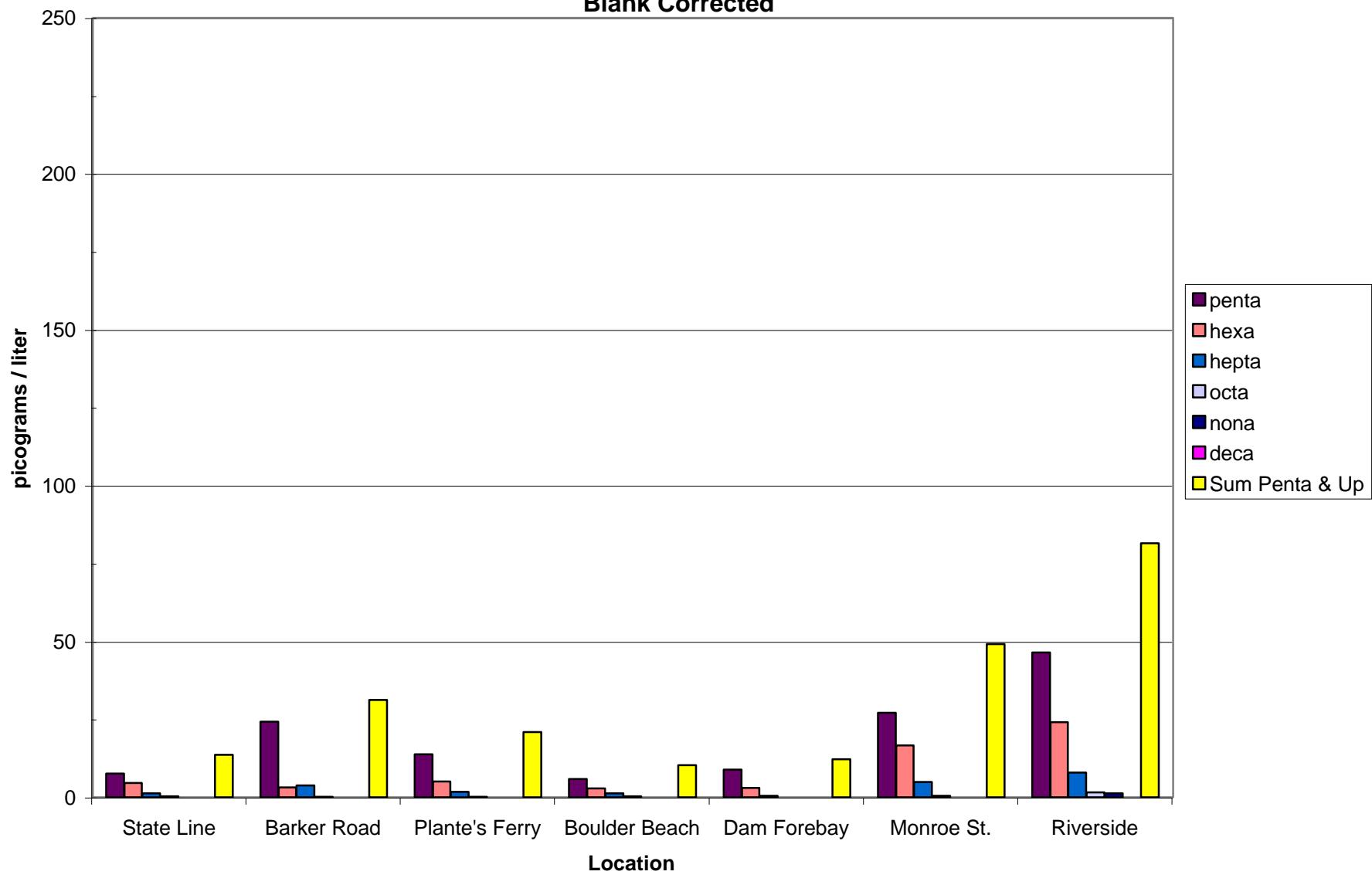


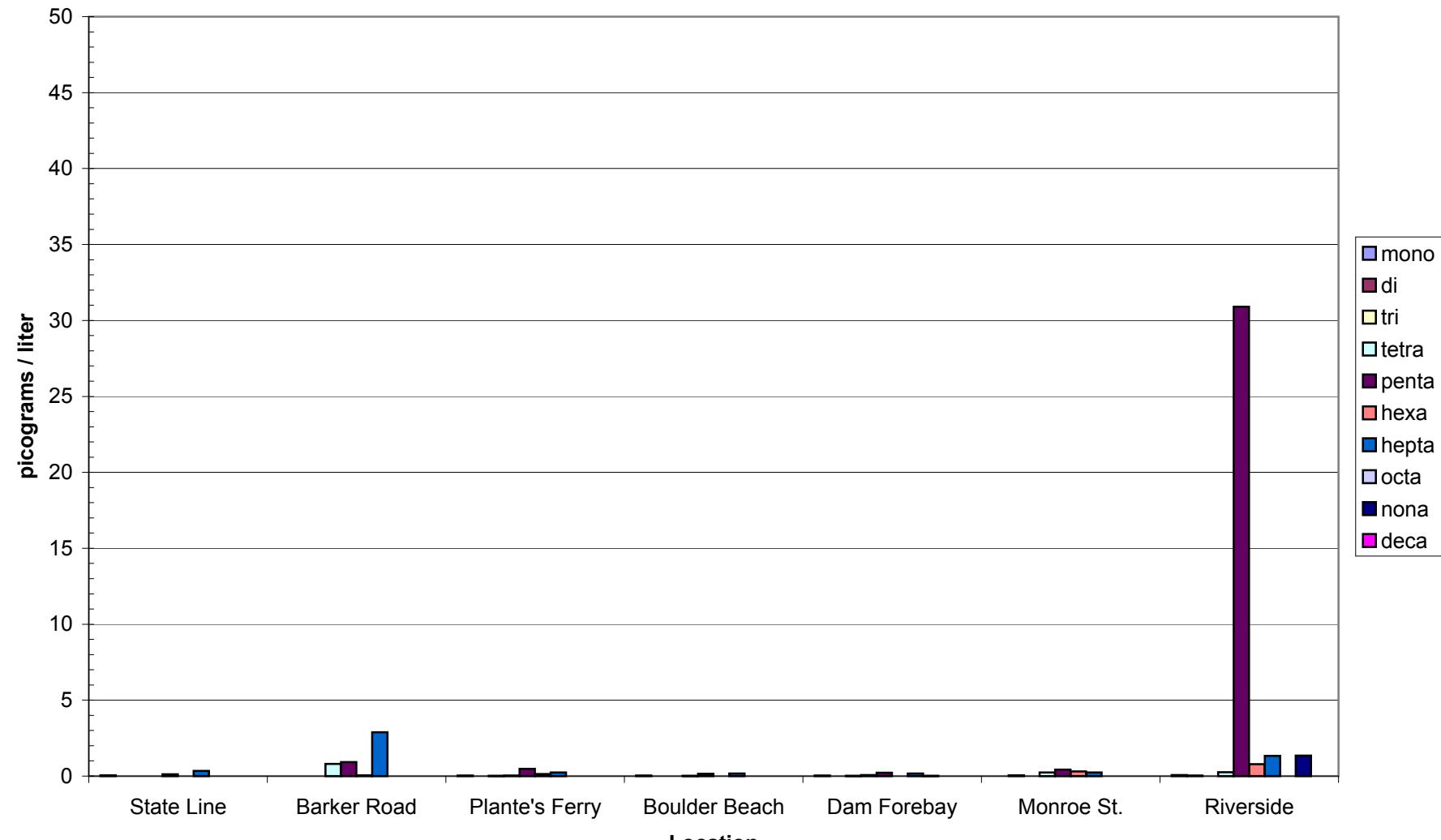
Figure D-9

Total PCBs and PCB Homologues by Station
 December 2003 SPMD Data Blank Corrected

PCB Homologues - Pentachlorobiphenyl and Greater
December 2003 SPMD Data
Blank Corrected

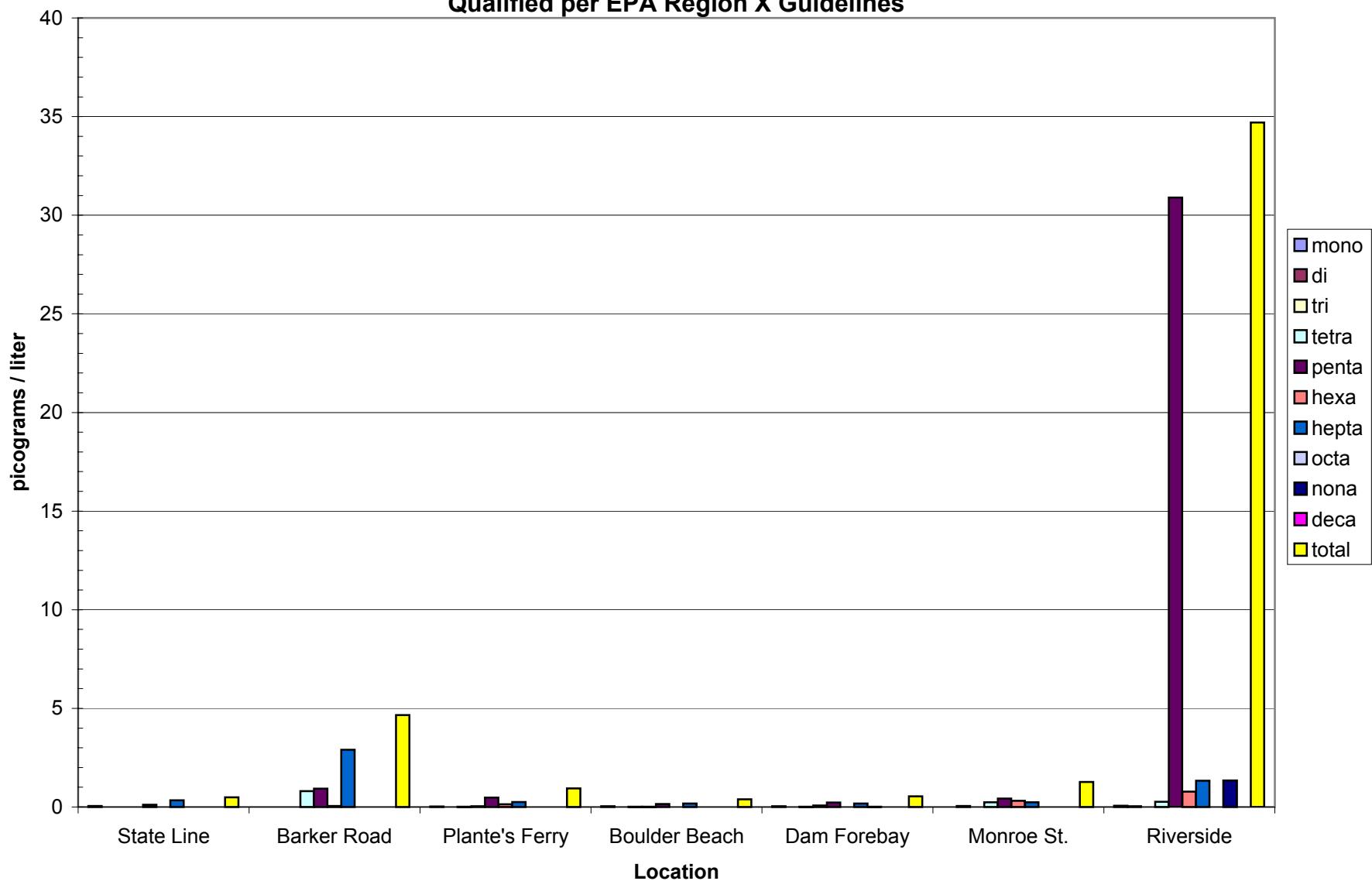


**PCB Homologues by Station
December 2003 SPMD Data
Qualified per EPA Region X Guidelines**



Note: Calculations use Normalized EAF

Total PCBs and PCB Homologues by Station
December 2003 SPMD Data
Qualified per EPA Region X Guidelines



PCB Homologues - Pentachlorobiphenyl and Greater
December 2003 SPMD Data
Qualified per EPA Region X Guidelines

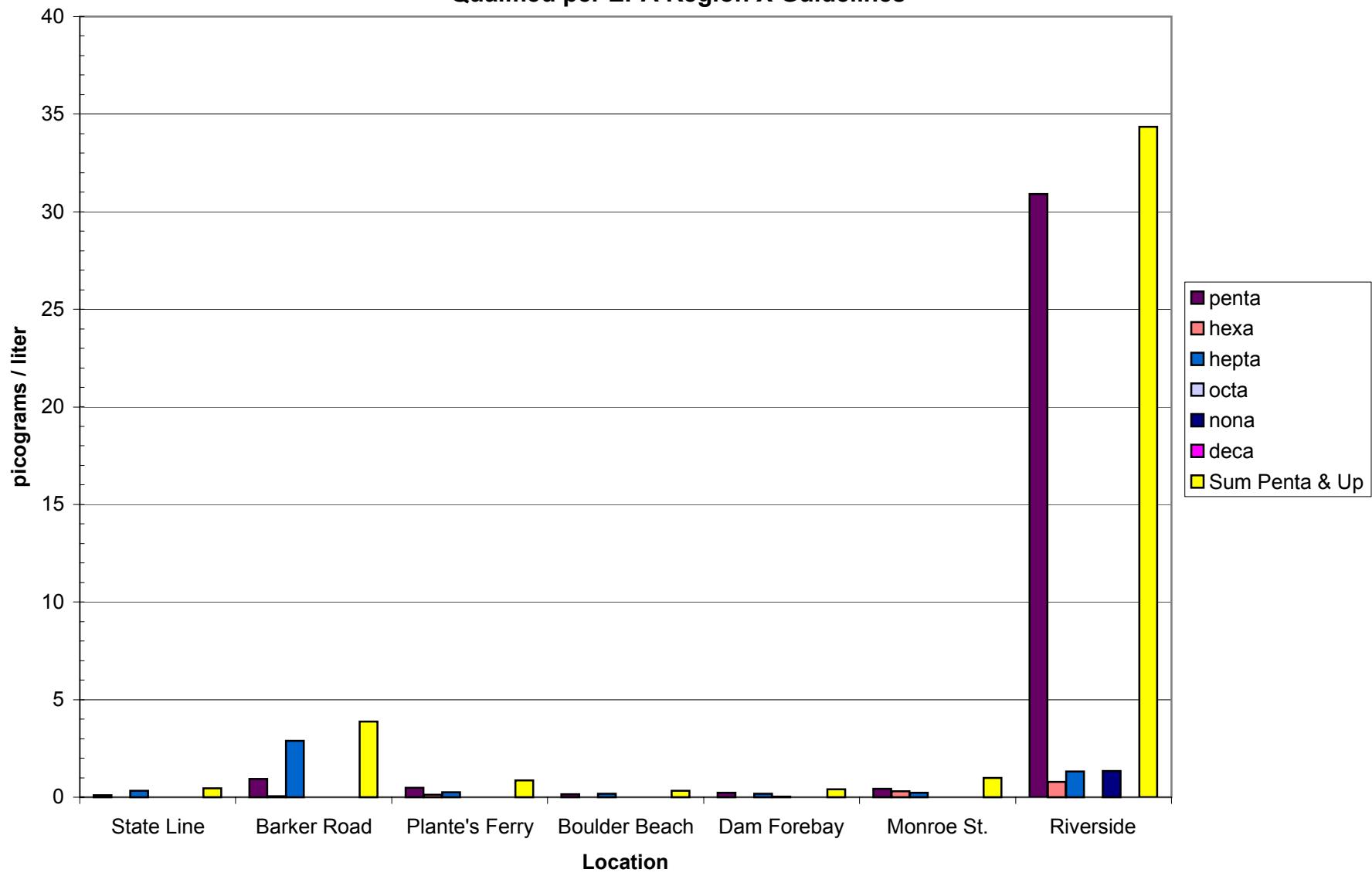


Figure D-13

PCB Homologues - Pentachlorobiphenyl and Greater
December 2003 SPMD Data Qualified per EPA Region X Guidelines

Table D-1
Total PCBs - Blank Corrected - August 2003 Data

SPMDs	State Line pg/L	Barker Road pg/L	Plante's Ferry pg/L	Boulder Beach pg/L	Dam Forebay pg/L	Monroe St. pg/L	Riverside pg/L
Total Monochloro Biphenyls	0.04	0.00	0.03	0.01	0.00	0.02	0.02
Total Dichloro Biphenyls	0.66	0.58	1.90	3.23	4.62	10.48	10.24
Total Trichloro Biphenyls	3.88	1.53	17.55	12.45	20.23	12.69	22.66
Total Tetrachloro Biphenyls	3.91	4.68	24.42	22.59	52.86	30.60	46.93
Total Pentachloro Biphenyls	4.01	3.98	7.25	10.15	26.61	37.94	62.79
Total Hexachloro Biphenyls	2.52	2.73	2.68	2.96	7.82	23.87	31.01
Total Heptachloro Biphenyls	1.02	0.87	0.59	1.88	2.51	7.32	8.58
Total Octachloro Biphenyls	0.08	0.13	0.86	0.69	0.61	0.85	1.96
Total Nonachloro Biphenyls	0.14	0.00	0.00	0.00	0.00	0.00	0.10
Decachloro Biphenyl	0.00	0.17	0.20	0.00	0.00	0.00	0.18
TOTAL PCBs (pg/L)	16.25	14.67	55.49	53.96	115.24	123.77	184.47
Sum of Penta & Greater	7.76	7.88	11.58	15.68	37.54	69.98	104.61

pg/L = picograms / liter

Results Calculated Using All Three PAHs

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/sample	Plante's Ferry AN-01LPA L6164-3 i WG10490 pg/sample	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Boulder Beach AN-02LPA Blank Corr pg/sample	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Dam Forebay AN-03LPA Blank Corr pg/sample	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	Barker Road AN-12LPA Blank Corr pg/sample	LAB BLANK WG10490-101 i WG10490 pg/sample	State Line AN-11LP L6286-6 WG10754 pg/sample	State Line AN-11LP L6286-8 WG10754 pg/sample	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	Monroe St. AN-13LP Blank Corr pg/sample	Riverside Park AN-14LP L6286-9 WG10754 pg/sample			
PCB-1	30.2	4.2	23		20.5		14.8		<2.06	32.4	6.4	23			22.9		
PCB-2	6.89	3.135	6.21	2.455	k6.2		k	4.59	0.835	<2.34	4.45	0.695	7.55	3.795	7.47		
PCB-3	19.8	2.9	14.4		15.5		13.3		k3.72	k	28.1	11.2	20	3.1	21.9		
PCB-4	193	105.65	133	45.65	148	60.65	62.2		<12.5	107	19.65	117	29.65	209			
PCB-5	6.8	1.59	k5.51		k	6.37	1.16	5	<8.50	6.57	1.36	6.67	1.46	6.86			
PCB-6	144	91.6	91.8	39.4		104	51.6	48	<8.22	59.8	7.4	77	24.6	82.2			
PCB-7	19.7	4.2	14.3		17.6	2.1	13.4		<7.93	16	0.5	16.9	1.4	20.1			
PCB-8	394	130.5	296	32.5	329	65.5	220		<7.85	307	43.5	320	56.5	368			
PCB-9	24.5	6.3	18.3	0.1	22	3.8	15.6		<8.03	20.3	2.1	22.3	4.1	30.8			
PCB-10	12.5	8.485		8.19	4.175	8.47	4.455	3.65	<8.24	5.33	1.315	6.42	2.405	13.3			
PCB-11	192	89.9	498	395.9		1040	937.9		307	204.9	<8.68	230	127.9	3160	3057.9	4330	
PCB-12/13	57.9	41.65	29.6	13.35	55	38.75	22.9	6.65	<8.55	24.8	8.55	56.7	40.45	75.6			
PCB-14	<1.57		<3.46		<1.57		<1.96		<8.32	<1.65		<1.06		<1.86			
PCB-15	305	180	182	57	259	134	147	22	<9.85	204	79	258	133	480			
PCB-16	230	112.5	164	46.5	234	116.5	136	18.5	<2.47	171	53.5	215	97.5	389			
PCB-17	288	143	205	60	313	168	156	11	k2.2	k	202	57	258	113	491		
PCB-18/30	600	332.5	422	154.5	657	389.5	299	31.5	2.45	387	119.5	501	233.5	1080			
PCB-19	158	127.3	84	53.3	121	90.3	33.6	2.9	4.34	46.9	16.2	66.3	35.6	116			
PCB-20/28	1300	832	762	294	1300	832	555	87	6.05	694	226	1050	582	1880			
PCB-21/33	438	197.5	319	78.5	431	190.5	288	47.5	2.66	330	89.5	411	170.5	575			
PCB-22	419	267.5	244	92.5	363	211.5	168	16.5	k2.59	k	212	60.5	335	183.5	559		
PCB-23	k1.68		k	<2.87		<1.80		<1.70		<1.77	6.76	6.76	K1.24		2.21		
PCB-24	16.7	12.17	11.4	6.87	15	10.47	k6.45		k	<1.53	6.91	2.38	9.89	5.36	19		
PCB-25	99	65.35	57.8	24.15	87.5	53.85	40.5	6.85	<1.54	47.1	13.45	72.7	39.05	125			
PCB-26/29	249	165.45	140	56.45	220	136.45	98.4	14.85	<1.70	116	32.45	170	86.45	331			
PCB-27	88	66.7	49	27.7	73.1	51.8	28.1	6.8	<1.56	30.4	9.1	50.7	29.4	85.4			
PCB-31	1080	668.5	655	243.5	1070	658.5	480	68.5	5.57	589	177.5	875	463.5	1830			
PCB-32	323	230.35	155	62.35	216	123.35	99.5	6.85	k2.02	k	126	33.35	156	63.35	298		
PCB-34	4.96	2.52	2.96	0.52	6.2	3.76	k2.3		k	<1.71	10.3	7.86	4.13	1.69	7.01		
PCB-35	19.3	14.34	k10.1		k	15.7	10.74	9.82	4.86	<1.77	K9.17		24	19.04	64.8		
PCB-36	<1.47		<2.88		<1.91		<1.80		<1.59	K0.805		7.76	7.76	25.2			
PCB-37	199	117.65	133	51.65	223	141.65	102	20.65	1.96	130	48.65	209	127.65	403			
PCB-38	k1.99		k	<3.06		2.15	2.15	<1.79		<1.58	K0.875		<0.930		<1.30		
PCB-39	k6.89		k	<2.95		k6.81		k	k2.27		k	<1.57	K2.26		5.17	3.585	K8.82
PCB-40/41/71	389	275.5	232	118.5	493	379.5	180	66.5	3.83	166	52.5	338	224.5	626			
PCB-42	202	144.15	120	62.15	277	219.15	84.8	26.95	<0.670	82.3	24.45	190	132.15	316			
PCB-43	33.6	22.7	25.1	14.2	55.6	44.7	18.6	7.7	<0.699	15.3	4.4	33.1	22.2	64.2			
PCB-44/47/65	744	552.5	425	233.5	1030	838.5	319	127.5	k6.99	k	301	109.5	724	532.5	1460		
PCB-45/51	209	162.5	108	61.5	229	182.5	72.4	25.9	3.13	72.1	25.6	135	88.5	228			
PCB-46	62.7	47.9	33.7	18.9	71.5	56.7	24.5	9.7	<0.732	24	9.2	47.3	32.5	77.1			
PCB-48	152	96.85	97.3	42.15	224	168.85	83.8	28.65	k1.33	k	78.6	23.45	144	88.85	276		
PCB-49/69	498	369	278	149	753	624	207	78	3.67	194	65	484	355	916			
PCB-50/53	171	138.55	79.3	46.85	185	152.55	51.6	19.15	1.92	51.3	18.85	113	80.55	186			
PCB-52	948	726	514	292	1230	1008	377	155	<0.565	367	145	1060	838	2470			
PCB-54	5.34	4.548	2.73	1.938	4.6	3.808	1.6	0.808	k1.88	k	6.27	5.478	2.01	1.218	3.36		
PCB-55	k10		k	k14.8	k	23.3	18.22	k9.21		k	<1.20	K5.65		K13.1		K23.2	
PCB-56	195	138.55	142	85.55													

Table D-2
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PCB-58	<2.31		<3.41		k2.69		k	<1.73		<1.12	<0.925		34.9	31.31	<1.77		
PCB-59/62/75	79.6	58.05	52.7	31.15	116	94.45		36.5	14.95	<0.449	33.6	12.05	67	45.45	114		
PCB-60	108	70.55	81.6	44.15	182	144.55		52	14.55	<1.15	56.6	19.15	137	99.55	274		
PCB-61/70/74/76	768	515.5	550	297.5	1480	1227.5		388	135.5	7.77	376	123.5	1180	927.5	2690		
PCB-63	23.6	17.18	14.3	7.88	48.5	42.08		11.2	4.78	<1.08	9.28	2.86	27.1	20.68	50.9		
PCB-64	365	279.25	224	138.25	525	439.25		140	54.25	k2.17	k	141	55.25	358	272.25	630	
PCB-66	430	306.5	367	243.5	975	851.5		192	68.5	5.16	181	57.5	634	510.5	1090		
PCB-67	17.4	10.915	10.5	4.015	26.5	20.015		9.98	3.495	<1.04	9.16	2.675	17.9	11.415	36.2		
PCB-68	k3.22		k	<3.38		6.62	5.56	k2.54		k	<1.08	2	0.94	3.65	2.59	8.55	
PCB-72	4.15	4.15		<3.39		8.8	8.8	1.97	1.97	<1.11	K1.64		5.28	5.28	7.82		
PCB-73	<1.12			<1.78		<1.09			<0.798		<0.699		<0.205		<0.146	<0.327	
PCB-77	30.2	22.81	25.7	18.31	66.3	58.91		16.6	9.21	k1.73	k	18	10.61	53.6	46.21	94.8	
PCB-78	<2.61			<3.84		<2.74			<1.82		<1.15		<0.975		<0.864	<1.86	
PCB-79	4.72	4.72	k3.68		k	8.18	8.18	3.11	3.11	<0.966	K2.86		8.76	8.76	23.7		
PCB-80	<2.32			<3.41		<2.51			<1.68		<1.02		<0.900		<0.798	<1.72	
PCB-81	<2.79			<4.09		k4.24		k	k2.3		k	<1.14	K4.33		K1.50		
PCB-82	29.5	21.1	24.4	16	71.1	62.7		19.5	11.1	<0.897		18.9	10.5	92.3	83.9	214	
PCB-83/99	131	87.45	111	67.45	374	330.45		89.1	45.55	k2.82	k	97.9	54.35	471	427.45	1060	
PCB-84	70.5	46.7	49.6	25.8	139	115.2		43.4	19.6	<0.926		52.2	28.4	206	182.2	527	
PCB-85/116/117	57.4	43.5	48.6	34.7	164	150.1		33.8	19.9	k1.32	k	33.6	19.7	170	156.1	338	
PCB-86/87/97/108/119/12	155	103.05	133	81.05	346	294.05		127	75.05	3.9		139	87.05	533	481.05	1410	
PCB-88/91	48.5	35.2	33.1	19.8	106	92.7	25.9	12.6	<0.807		27	13.7	122	108.7	244		
PCB-89	k6.28		k	k2.8		k	12.6	11.05	1.65	0.1	<0.851		3.09	1.54	10.8	9.25	16.8
PCB-90/101/113	226	127.6		172	73.6	474	375.6	198	99.6	4.71		207	108.6	912	813.6	2210	
PCB-92	41.7	25.6		30.6	14.5	98.3	82.2	36	19.9	<0.820		38.3	22.2	166	149.9	383	
PCB-93/95/98/100/102	251	164.45		160	73.45	439	352.45	179	92.45	<0.789		190	103.45	789	702.45	1790	
PCB-94	3.58	3.58		2.96	2.96	6.3	6.3	<1.14		<0.851		1.69	1.69	K4.00		8.92	
PCB-96	5.42	4.581		2.77	1.931	k9.56		k	k1.91		k	k0.34	k	2.18	1.341	5.4	
PCB-103	2.92	2.023		<2.19		6.02	5.123		k1.78		k	<0.751	K1.46		K4.77		
PCB-104	k0.418		k	<1.90		k0.76		k	k0.377		k	<0.437	K4.00		K0.269		
PCB-105	74.6	56.75		72.3	54.45	192	174.15	50.6	32.75	1.7	53.4	35.55	270	252.15	585		
PCB-106	3.22	3.22	k2.79		k	<1.56		14	14	<0.945	K10.4			<1.05		55.1	
PCB-107/124	7.77	5.86		6.73	4.82	17.3	15.39	5.82	3.91	<0.992	K5.31		25.2	23.29	66.4		
PCB-109	12.2	12.2		11.9	11.9	37.7	37.7	k10.8		k	<0.936	<0.970		46.3	46.3	106	
PCB-110/115	221	151.7		201	131.7	545	475.7	185	115.7	4.17	211	141.7	928	858.7	2160		
PCB-111	<1.06			<1.87		<1.82			<0.856		<0.596		<0.495		<0.594	<1.07	
PCB-112	<1.05			<1.85		<1.78			<0.840		<0.632		<0.508		<0.609	<1.10	
PCB-114	k7.39		k	k5.75		k	14.1	14.1	3.27	3.27	<1.03	K5.55		15.7	15.7	37.1	
PCB-118	151	104.65		149	102.65	396	349.65	128	81.65	4.61	132	85.65	648	601.65	1530		
PCB-120	<1.03			<1.82		<1.76			<0.831		<0.563		<0.485		K1.01		
PCB-121	<1.04			<1.83		<1.76			<0.829		<0.608		<0.484		<0.580	<1.04	
PCB-122	k3.66		k	4.02	4.02	9.64	9.64	k2.06		k	<1.07	K2.06		8.24	8.24	K17.0	
PCB-123	5.26	5.26		4.63	4.63	12.7	12.7	2.06	2.06	<1.04	K4.01		K16.7		K23.4		
PCB-126	1.48	1.48		<2.14		3.03	3.03	k2.17		k	<1.09	K1.30		K2.81		4.02	
PCB-127	<1.13			<1.74		<1.74			<0.875		<0.951		<0.963		<1.09		
PCB-128/166	17.																

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/sample	Plante's Ferry AN-01LPA L6164-3 i WG10490 pg/sample	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	LAB BLANK WG10490-101 i WG10490 pg/sample	State Line AN-11LP L6286-6 WG10754 pg/sample	State Line AN-11LP L6286-8 WG10754 pg/sample	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	Monroe St. AN-13LP Blank Corr pg/sample	Riverside Park AN-14LP L6286-9 WG10754 pg/sample					
PCB-131	2.98	2.98	<2.48		k3.19		k	k1.94		k	<0.784	2.14	2.14	K7.13		15.7			
PCB-132	40.5	20.2	33.3	13	66.9	46.6		43.5	23.2		1.76	48.2	27.9	194	173.7	374			
PCB-133	2.86	1.955	<2.28		k4.22		k	<1.67			<0.764	K2.92		8.15	7.245	K17.5			
PCB-134/143	7.5	3.28	7.71	3.49	14.1	9.88		k8.35		k	<0.803	K7.90		33.7	29.48	68			
PCB-135/151/154	64.7	26.75	50.1	12.15	92.2	54.25		60.7	22.75		k0.885	k	74.5	36.55	313	275.05	501		
PCB-136	26.1	11.7	17.7	3.3	29.9	15.5		k23		k	k0.384	k	24.6	10.2	114	99.6	180		
PCB-137	6.14	4.345	4.26	2.465	11.4	9.605		k5		k	<0.723		5.1	3.305	26	24.205	50.5		
PCB-139/140	k2.96		k	<2.09		k5.61		k	k2.61		k	<0.703		2.59	2.59	8.96	8.96	21.1	
PCB-141	24.9	8.8	20.4	4.3	38.6	22.5		27.3	11.2		k1.3	k	26.1	10	119	102.9	212		
PCB-142	<1.04		<2.30		<1.30			<1.79			<0.793		<0.984		<1.26		<1.38		
PCB-144	8.53	1.84	6.08	-0.61	12.4	5.71		8.52	1.83		k0.552	k	9.73	3.04	K37.0		69.5		
PCB-145	k0.362		k	k0.3		k0.355		k	k0.24		k	k0.328	k	<0.0561		K0.199		K0.737	
PCB-146	21.5	11.56	17.8	7.86	38.5	28.56		26.9	16.96		1.47		23.9	13.96	83.9	73.96	160		
PCB-147/149	118	44	96	22	183	109		138	64		k3.66	k	141	67	635	561	1070		
PCB-148	k0.239		k	k0.253		k	<0.200		k0.382		k	<0.277		K0.197		K0.416		1.5	
PCB-150	k0.448		k	<0.153		k0.739		k	k0.364		k	k0.339	k	K0.094		K0.436		K1.40	
PCB-152	k0.755		k	0.317	0.22	k0.527		k	<0.131			<0.194		K0.119		K0.387		K0.949	
PCB-153/168	118	53.65	96.5	32.15	203	138.65		141	76.65		4.78		131	66.65	522	457.65	955		
PCB-155	k0.615		k	k0.631		k0.344		k	<0.113		k0.402	k	2.61	2.24	K0.233		K2.05		
PCB-156/157	13.7	8.69	k10.9		k	23.7	18.69		11.9	6.89		1.24		12.7	7.69	51.9	46.89	103	
PCB-158	12.3	6.57	k10.7		k	22.2	16.47		13.9	8.17		<0.499		K12.6		52.5	46.77	107	
PCB-159	k2.11		k	<1.66		2.81	2.81		<1.25			<0.519		K0.994		K3.96		5.74	
PCB-161	<0.705			<1.56		<0.867			<1.20			<0.538		<0.681		<0.874		<0.957	
PCB-162	k1.12		k	<1.68		<0.923			<1.28			<0.523		<0.705		K1.47		2.98	
PCB-164	k10.6		k	8.26	4.47	16.5	12.71		11	7.21		<0.543		K11.1		38.5	34.71	73	
PCB-165	<0.793			<1.76		<0.971			<1.34			<0.585		<0.746		<0.957		<1.05	
PCB-167	5.39	3.97	4.06	2.64	k8.81		k	k5.05		k	<0.408		4.62	3.2	16.6	15.18	33.6		
PCB-169	2.01	2.01	<1.72		k1.42		k	<1.34			0.589		<0.710		<0.947		<1.08		
PCB-170	k15.7		k	19	19	25	25		k19.6		k	k1.39	k	19.2	19.2	43	43	75.4	
PCB-171/173	k7.47		k	k7.84		k	10.6	10.6	7.35	7.35		<0.166		K7.54		19.6	19.6	33	
PCB-172	k5.26		k	k4.21		k	k6.59		k	k4.73		k	k0.213	k	4.4	1.96	K11.5		K19.2
PCB-174	26.5	8.5	25.5	7.5	35.5	17.5		28.3	10.3		k0.75	k	31	13	88.7	70.7	128		
PCB-175	k1.71		k	k1.46		k	2.21	2.21		1.67	1.67		<0.159		1.53	1.53	4.46	4.46	K6.43
PCB-176	5.41	0.76	k5.62		k	k5.63		k	5.93	1.28		k0.287	k	K5.14		15.5	10.85	20.5	
PCB-177	k13.4		k	15.7	5.68	k20.9		k	16.6	6.58		k1.04	k	16.7	6.68	43	32.98	66.4	
PCB-178	k8.64		k	8.05	8.05	11.8	11.8		8.78	8.78		k0.434	k	8.23	8.23	24.4	24.4	35.1	
PCB-179	19.4	4.6	17.3	2.5	21.2	6.4		18.2	3.4		k0.319	k	19.7	4.9	60.5	45.7	86.3		
PCB-180/193	45.4	13.95	45.6	14.15	68.7	37.25		47	15.55		k3.1	k	49	17.55	131	99.55	247		
PCB-181	<0.148			<0.148		k0.381		k	<0.149			<0.153		K0.280		K0.851		K2.32	
PCB-182	k0.438		k	k0.624		k	k0.875		k	k0.779		k	<0.159		K0.947		K0.513		K0.669
PCB-183/185	21.6	5.35	18.5	2.25	29.5	13.25		21.5	5.25		k0.289	k	22.4	6.15	61.9	45.65	102		
PCB-184	k0.533		k	k0.236		k	<0.106		k0.313		k	<0.117		K0.212		K0.192		2.19	
PCB-186	k0.655		k	<0.115		<0.115			<0.116			0.152		<0.0625		<0.0531		K0.100	
PCB-187	43	11.95	41.6	10.55	61.8	30.75													

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Riverside Park AN-14LP	LAB BLANK WG10754-101	SPIKED MATRIX WG10754-102	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample	Average of Day Zero SPMD and Trip Blank	LAB BLANK WG10754-101	Name	IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	(days)			Plante's Ferry AN-01LPA L6164-2 WG10490 pg/L	Blank Corrected	EAF*
PCB-1		K0.723	95	26.3	25.7	26	K0.723	2 - MoCB	1	12.8	32	4.5	1.69	0.09	0.01	0.888
PCB-2	3.715	K0.348		3.93	3.58	3.755	K0.348	3 - MoCB	2	12.8	32	4.5		0.02	0.01	
PCB-3	5	K1.27	97	17.6	16.2	16.9	K1.27	4 - MoCB	3	12.8	32	4.5		0.06	0.01	
PCB-4	121.65	<1.04	97	89.6	85.1	87.35	<1.04	2,2' - DiCB	4	12.8	32	4.5		0.56	0.30	
PCB-5	1.65	<0.799		5.5	4.92	5.21	<0.799	2,3 - DiCB	5	12.8	32	4.5		0.02	0.00	
PCB-6	29.8	<0.746		56.2	48.6	52.4	<0.746	2,3' - DiCB	6	12.8	32	4.5		0.42	0.26	
PCB-7	4.6	K1.22		15.6	15.4	15.5	K1.22	2,4 - DiCB	7	12.8	32	4.5		0.06	0.01	
PCB-8	104.5	<0.701		287	240	263.5	<0.701	2,4' - DiCB	8	12.8	32	4.5		1.14	0.38	
PCB-9	12.6	<0.731		18.8	17.6	18.2	<0.731	2,5 - DiCB	9	12.8	32	4.5		0.07	0.02	
PCB-10	9.285	<0.772		4.29	3.74	4.015	<0.772	2,6 - DiCB	10	12.8	32	4.5		0.04	0.02	
PCB-11	4227.9	2.17		111	93.2	102.1	2.17	3,3' - DiCB	11	12.8	32	4.5		0.55	0.26	
PCB-12/13	59.35	<0.787		15.8	16.7	16.25	<0.787	3,4 - DiCB	12	12.8	32	4.5		0.17	0.12	
PCB-14		<0.762		<1.12	<0.868		<0.762	3,5 - DiCB	14	12.8	32	4.5			0.00	
PCB-15	355	<1.01	101	133	117	125	<1.01	4,4' - DiCB	15	12.8	32	4.5		0.88	0.52	
PCB-16	271.5	<0.341		128	107	117.5	<0.341	2,2',3 - TriCB	16	6.7	32	4.5		1.26	0.62	
PCB-17	346	0.488		158	132	145	0.488	2,2',4 - TriCB	17	6.7	32	4.5		1.58	0.79	
PCB-18/30	812.5	K0.797		287	248	267.5	K0.797	2,2',5 - TriCB	18	9.2	32	4.5		2.41	1.33	
PCB-19	85.3	0.397	91.4	30.7	K27.6	30.7	0.397	2,2',6 - TriCB	19	5.3	32	4.5		1.10	0.89	
PCB-20/28	1412	0.73		501	435	468	0.73	2,3,3' - TriCB	20	8.4	32	4.5		5.71	3.66	
PCB-21/33	334.5	K0.437		262	219	240.5	K0.437	2,3,4 - TriCB	21	6.7	32	4.5		2.41	1.09	
PCB-22	407.5	K0.279		164	139	151.5	K0.279	2,3,4' - TriCB	22	5.7	32	4.5		2.71	1.73	
PCB-23	2.21	<0.161		K1.19	<0.720		<0.161	2,3,5 - TriCB	23	6.7	32	4.5			0.00	
PCB-24	14.47	<0.213		K5.12	4.53	4.53	<0.213	2,3,6 - TriCB	24	6.7	32	4.5		0.09	0.07	
PCB-25	91.35	<0.146		35.2	32.1	33.65	<0.146	2,3',4 - TriCB	25	5.7	32	4.5		0.64	0.42	
PCB-26/29	247.45	<0.161		85.4	81.7	83.55	<0.161	2,3',5 - TriCB	26	5.7	32	4.5		1.61	1.07	
PCB-27	64.1	<0.214		22.6	20	21.3	<0.214	2,3',6 - TriCB	27	6.7	32	4.5		0.48	0.37	
PCB-31	1418.5	0.69		431	392	411.5	0.69	2,4',5 - TriCB	31	7.0	32	4.5		5.69	3.52	
PCB-32	205.35	K0.243		101	84.3	92.65	K0.243	2,4',6 - TriCB	32	6.7	32	4.5		1.78	1.27	
PCB-34	4.57	<0.160		2.44	K1.66	2.44	<0.160	2',3,5 - TriCB	34	6.7	32	4.5		0.03	0.01	
PCB-35	59.84	<0.170		5.14	4.78	4.96	<0.170	3,3',4 - TriCB	35	6.7	32	4.5		0.11	0.08	
PCB-36	25.2	<0.156		<0.547	<0.699		<0.156	3,3',5 - TriCB	36	6.7	32	4.5			0.00	
PCB-37	321.65	0.41	99.5	83.4	79.3	81.35	0.41	3,4,4' - TriCB	37	6.7	32	4.5		1.09	0.65	
PCB-38		<0.156		<0.548	<0.700		<0.156	3,4,5 - TriCB	38	6.7	32	4.5			0.00	
PCB-39		<0.148		1.43	1.74	1.585	<0.148	3,4',5 - TriCB	39	6.7	32	4.5			0.00	
PCB-40/41/71	512.5	K0.164		119	108	113.5	K0.164	2,2',3,3' - TeCB	40	6.4	32	4.5		2.24	1.59	
PCB-42	258.15	K0.151		61.5	54.2	57.85	K0.151	2,2',3,4' - TeCB	42	6.2	32	4.5		1.20	0.86	
PCB-43	53.3	<0.103		10.9	K11.6	10.9	<0.103	2,2',3,5 - TeCB	43	6.2	32	4.5		0.20	0.14	
PCB-44/47/65	1268.5	0.848		205	178	191.5	0.848	2,2',3,5' - TeCB	44	7.5	32	4.5		3.66	2.72	
PCB-45/51	181.5	0.121		47.6	45.4	46.5	0.121	2,2',3,6 - TeCB	45	6.4	32	4.5		1.21	0.94	
PCB-46	62.3	<0.102		15.8	13.8	14.8	<0.102	2,2',3,6' - TeCB	46	4.4	32	4.5		0.53	0.40	
PCB-48	220.85	K0.173		55	55.3	55.15	K0.173	2,2',4,5 - TeCB	48	3.5	32	4.5		1.60	1.02	
PCB-49/69	787	K0.386		132	126	129	K0.386	2,2',4,5' - TeCB	49	5.3	32	4.5		3.47	2.57	
PCB-50/53	153.55	K0.141		33.3	31.6	32.45	K0.141	2,2',4,6 - TeCB	50	4.8	32	4.5		1.31	1.07	
PCB-52	2248	K1.23		232	212	222	K1.23	2,2',5,5' - TeCB	52	6.2	32	4.5		5.64	4.32	
PCB-54	2.568	K0.091	87.9	0.792	K0.682	0.792	K0.091	2,2',6,6' - TeCB	54	5.5	32	4.5		0.04	0.03	
PCB-55		<0.139		5.08	K4.67	5.08	<0.139	2,3,3',4 - TeCB	55	5.5	32	4.5			0.00	
PCB-56	417.55	K0.335		59.1	53.8	56.45	K0.335	2,3,3',4' - TeCB	56	5.5	32	4.5		1.32	0.94	
PCB-57	5.17	<0.														

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Riverside Park AN-14LP	LAB BLANK WG10754-101	SPIKED MATRIX WG10754-102	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample	Average of Day Zero SPMD and Trip Blank	LAB BLANK WG10754-101	Name	IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	(days)			Plante's Ferry AN-01LPA L6164-2 WG10490 pg/L	Blank Corrected	
	Blank Corr pg/sample	WG10754 pg/sample	% REC				WG10754 pg/sample			Rs	Days	Ms	EAF*			
PCB-58		<0.126		3.59	<1.06	3.59	<0.126	2,3,3',5' - TeCB	58	5.5	32	4.5			0.00	
PCB-59/62/75	92.45	K0.103		21.3	21.8	21.55	K0.103	2,3,3',6 - TeCB	59	5.5	32	4.5		0.54	0.39	
PCB-60	236.55	<0.137		39.3	35.6	37.45	<0.137	2,3,4,4' - TeCB	60	5.5	32	4.5		0.73	0.48	
PCB-61/70/74/76	2437.5	K1.16		252	253	252.5	K1.16	2,3,4,5 - TeCB	61	6.6	32	4.5		4.29	2.88	
PCB-63	44.48	<0.123		6.42	K7.01	6.42	<0.123	2,3,4',5 - TeCB	63	5.3	32	4.5		0.16	0.12	
PCB-64	544.25	K0.268		87.8	83.7	85.75	K0.268	2,3,4',6 - TeCB	64	7.5	32	4.5		1.80	1.37	
PCB-66	966.5	K0.525		129	118	123.5	K0.525	2,3',4,4' - TeCB	66	5.3	32	4.5		2.99	2.13	
PCB-67	29.715	<0.119		6.31	6.66	6.485	<0.119	2,3',4,5 - TeCB	67	5.3	32	4.5		0.12	0.08	
PCB-68	7.49	K0.173		<0.714	1.06	1.06	K0.173	2,3',4,5' - TeCB	68	5.5	32	4.5			0.00	
PCB-72	7.82	<0.121		<0.699	<1.02		<0.121	2,3',5,5' - TeCB	72	5.5	32	4.5		0.03	0.03	
PCB-73		<0.0651		<0.141	<0.159		<0.0651	2,3',5,6 - TeCB	73	5.5	32	4.5			0.00	
PCB-77	87.41	K0.376	101	7.39	K7.23	7.39	K0.376	3,3',4,4' - TeCB	77	2.9	32	4.5		0.38	0.29	
PCB-78		<0.133		<0.767	<1.11		<0.133	3,3',4,5 - TeCB	78	4.4	32	4.5			0.00	
PCB-79	23.7	<0.115		K1.18	<0.964		<0.115	3,3',4,5' - TeCB	79	5.1	32	4.5		0.03	0.03	
PCB-80		<0.122		<0.708	<1.03		<0.122	3,3',5,5' - TeCB	80	5.5	32	4.5			0.00	
PCB-81	5.32	K0.208	102	<0.836	<1.25		K0.208	3,4,4',5 - TeCB	81	4.3	32	4.5			0.00	
PCB-82	205.6	<0.261		8.79	8.01	8.4	<0.261	2,2',3,3',4 - PeCB	82	4.4	32	4.5		0.25	0.18	
PCB-83/99	1016.45	K0.453		41.9	45.2	43.55	K0.453	2,2',3,3',5 - PeCB	83	4.6	32	4.5		1.05	0.70	
PCB-84	503.2	<0.252		27.1	20.5	23.8	<0.252	2,2',3,3',6 - PeCB	84	4.4	32	4.5		0.59	0.39	
PCB-85/116/117	324.1	<0.189		14.1	13.7	13.9	<0.189	2,2',3,4,4' - PeCB	85	4.8	32	4.5		0.44	0.33	
PCB-86/87/97/108/119/12	1358.05	K0.311		53.7	50.2	51.95	K0.311	2,2',3,4,5 - PeCB	86	4.7	32	4.5		1.22	0.81	
PCB-88/91	230.7	<0.220		14.6	12	13.3	<0.220	2,2',3,4,6 - PeCB	88	4.4	32	4.5		0.41	0.30	
PCB-89	15.25	<0.235		1.55	K1.25	1.55	<0.235	2,2',3,4,6' - PeCB	89	4.6	32	4.5			0.00	
PCB-90/101/113	2111.6	0.809		97.1	99.7	98.4	0.809	2,2',3,4',5 - PeCB	90	6.2	32	4.5		1.35	0.76	
PCB-92	366.9	<0.231		15.7	16.5	16.1	<0.231	2,2',3,5,5' - PeCB	92	5.3	32	4.5		0.29	0.18	
PCB-93/95/98/100/102	1703.45	0.967		92.9	80.2	86.55	0.967	2,2',3,5,6 - PeCB	93	6.2	32	4.5		1.49	0.98	
PCB-94	8.92	<0.228		K0.743	<0.593		<0.228	2,2',3,5,6' - PeCB	94	4.6	32	4.5		0.03	0.03	
PCB-96	9.461	<0.0935		K1.27	0.839	0.839	<0.0935	2,2',3,6,6' - PeCB	96	4.6	32	4.5		0.04	0.04	
PCB-103	8.913	<0.196		0.897	K0.775	0.897	<0.196	2,2',4,5',6 - PeCB	103	4.6	32	4.5		0.02	0.02	
PCB-104		K0.122	92.9	K0.309	0.086	0.086	K0.122	2,2',4,6,6' - PeCB	104	4.6	32	4.5			0.00	
PCB-105	567.15	K0.365	94.4	17.7	18	17.85	K0.365	2,3,3',4,4' - PeCB	105	4.0	32	4.5		0.69	0.52	
PCB-106	55.1	<0.212		<0.418	<0.849		<0.212	2,3,3',4,5 - PeCB	106	4.6	32	4.5		0.03	0.03	
PCB-107/124	64.49	<0.227		K1.78	1.91	1.91	<0.227	2,3,3',4',5 - PeCB	107	5.3	32	4.5		0.05	0.04	
PCB-109	106	<0.223		K3.08	K4.44		<0.223	2,3,3',4,6 - PeCB	109	4.6	32	4.5		0.10	0.10	
PCB-110/115	2090.7	0.704		72.6	66	69.3	0.704	2,3,3',4',6 - PeCB	110	5.7	32	4.5		1.43	0.98	
PCB-111		<0.169		<0.308	<0.439		<0.169	2,3,3',5,5' - PeCB	111	4.6	32	4.5			0.00	
PCB-112		<0.173		<0.316	<0.450		<0.173	2,3,3',5,6 - PeCB	112	4.6	32	4.5			0.00	
PCB-114	37.1	<0.224	93.8	K2.31	K1.98		<0.224	2,3,4,4',5 - PeCB	114	4.4	32	4.5			0.00	
PCB-118	1483.65	K0.787	95.2	44.9	47.8	46.35	K0.787	2,3',4,4',5 - PeCB	118	4.8	32	4.5		1.16	0.80	
PCB-120		<0.165		<0.302	<0.430		<0.165	2,3',4,5,5' - PeCB	120	4.6	32	4.5			0.00	
PCB-121		<0.165		<0.301	<0.429		<0.165	2,3',4,5,6 - PeCB	121	4.6	32	4.5			0.00	
PCB-122		<0.242		K0.636	<0.970		<0.242	2',3,3',4,5 - PeCB	122	4.6	32	4.5			0.00	
PCB-123		<0.244	97	K2.51	K1.41		<0.244	2',3,4,4',5 - PeCB	123	4.6	32	4.5		0.04	0.04	</td

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Riverside Park AN-14LP	LAB BLANK WG10754-101	SPIKED MATRIX WG10754-102	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample	Average of Day Zero SPMD and Trip Blank	LAB BLANK WG10754-101	Name	IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	(days)			Plante's Ferry AN-01LPA L6164-2 WG10490 pg/L	Blank Corrected	
	Blank Corr pg/sample	WG10754 pg/sample	WG10754 % REC				WG10754 pg/sample			Rs	Days	Ms	EAF*			
PCB-131	15.7	<0.281		K0.734	K1.14		<0.281	2,2',3,3',4,6 - HxCB	131	4.2	32	4.5		0.03	0.03	
PCB-132	353.7	<0.284		20.3	K18.8	20.3	<0.284	2,2',3,3',4,6' - HxCB	132	4.2	32	4.5		0.36	0.18	
PCB-133		<0.276		0.905	K0.988	0.905	<0.276	2,2',3,3',5,5' - HxCB	133	4.2	32	4.5		0.03	0.02	
PCB-134/143	63.78	<0.283		3.68	4.76	4.22	<0.283	2,2',3,3',5,6 - HxCB	134	4.8	32	4.5		0.06	0.03	
PCB-135/151/154	463.05	<0.0334		37	38.9	37.95	<0.0334	2,2',3,3',5,6' - HxCB	135	5.3	32	4.5		0.45	0.19	
PCB-136	165.6	K0.044		15.6	13.2	14.4	K0.044	2,2',3,3',6,6' - HxCB	136	5.3	32	4.5		0.18	0.08	
PCB-137	48.705	<0.257		1.75	1.84	1.795	<0.257	2,2',3,4,4',5 - HxCB	137	3.5	32	4.5		0.06	0.05	
PCB-139/140	21.1	<0.250		K0.796	K0.933		<0.250	2,2',3,4,4',6 - HxCB	139	4.2	32	4.5		0.00		
PCB-141	195.9	<0.269		15.1	17.1	16.1	<0.269	2,2',3,4,5,5' - HxCB	141	4.8	32	4.5		0.19	0.07	
PCB-142		<0.287		<0.524	<0.477		<0.287	2,2',3,4,5,6 - HxCB	142	4.2	32	4.5		0.00		
PCB-144	62.81	K0.053		6.81	6.57	6.69	K0.053	2,2',3,4,5',6 - HxCB	144	4.2	32	4.5		0.07	0.02	
PCB-145		<0.0257		<0.0605	<0.0562		<0.0257	2,2',3,4,6,6' - HxCB	145	4.2	32	4.5		0.00		
PCB-146	150.06	<0.247		K9.05	9.94	9.94	<0.247	2,2',3,4',5,5' - HxCB	146	4.8	32	4.5		0.17	0.09	
PCB-147/149	996	K0.465		72.8	75.2	74	K0.465	2,2',3,4',5,6 - HxCB	147	5.7	32	4.5		0.76	0.28	
PCB-148	1.5	<0.0352		K0.168	K0.192		<0.0352	2,2',3,4',5,6' - HxCB	148	4.2	32	4.5		0.00		
PCB-150		0.033		0.129	K0.132	0.129	0.033	2,2',3,4',6,6' - HxCB	150	4.2	32	4.5		0.00		
PCB-152		K0.043		K0.124	0.097	0.097	K0.043	2,2',3,5,6,6' - HxCB	152	4.2	32	4.5		0.00		
PCB-153/168	890.65	0.763		59.9	68.8	64.35	0.763	2,2',4,4',5,5' - HxCB	153	3.2	32	4.5		1.36	0.62	
PCB-155		K0.058	94	0.37	K0.170	0.37	K0.058	2,2',4,4',6,6' - HxCB	155	4.2	32	4.5		0.00		
PCB-156/157	97.99	K0.539	94.4	5.01	K5.24	5.01	K0.539	2,3,3',4,4',5 - HxCB	156	2.6	32	4.5		0.19	0.12	
PCB-158	101.27	<0.193		5.73	K5.36	5.73	<0.193	2,3,3',4,4',6 - HxCB	158	3.5	32	4.5		0.13	0.07	
PCB-159	5.74	<0.205		K0.799	K0.783		<0.205	2,3,3',4,5,5' - HxCB	159	4.2	32	4.5		0.00		
PCB-161		<0.199		<0.363	<0.330		<0.199	2,3,3',4,5,6 - HxCB	161	4.2	32	4.5		0.00		
PCB-162	2.98	<0.206		<0.376	<0.342		<0.206	2,3,3',4,5,5' - HxCB	162	4.2	32	4.5		0.00		
PCB-164	69.21	<0.214		3.79	K4.85	3.79	<0.214	2,3,3',4',5,6 - HxCB	164	4.2	32	4.5		0.00		
PCB-165		<0.218		<0.398	<0.362		<0.218	2,3,3',5,5',6 - HxCB	165	4.2	32	4.5		0.00		
PCB-167	32.18	0.267	94.1	1.42	K1.73	1.42	0.267	2,3',4,4',5,5' - HxCB	167	4.2	32	4.5		0.05	0.03	
PCB-169		K0.250	96	<0.388	<0.367		K0.250	3,3',4,4',5,5' - HxCB	169	2.1	32	4.5		0.04	0.04	
PCB-170	75.4	K0.337		K11.3	K8.80		K0.337	2,2',3,3',4,4',5 - HpCB	170	2.6	32	4.5		0.00		
PCB-171/173	33	K0.159		K4.47	K4.44		K0.159	2,2',3,3',4,4',6 - HpCB	171	2.6	32	4.5		0.00		
PCB-172		0.111		K2.34	2.44	2.44	0.111	2,2',3,3',4,5,5' - HpCB	172	1.3	32	4.5		0.00		
PCB-174	110	K0.061		K19.8	18	18	K0.061	2,2',3,3',4,5,6' - HpCB	174	3.1	32	4.5		0.32	0.10	
PCB-175		<0.0247		K0.976	K1.09		<0.0247	2,2',3,3',4,5',6 - HpCB	175	2.6	32	4.5		0.00		
PCB-176	15.85	K0.027		K3.77	4.65	4.65	K0.027	2,2',3,3',4,6,6' - HpCB	176	2.2	32	4.5		0.09	0.01	
PCB-177	56.38	<0.0267		9.24	10.8	10.02	<0.0267	2,2',3,3',4',5,6 - HpCB	177	2.6	32	4.5		0.00		
PCB-178	35.1	0.053		K5.05	K6.46		0.053	2,2',3,3',5,5',6 - HpCB	178	3.1	32	4.5		0.00		
PCB-179	71.5	K0.154		14.8	K15.5	14.8	K0.154	2,2',3,3',5,6,6' - HpCB	179	2.2	32	4.5		0.33	0.08	
PCB-180/193	215.55	K0.686		32.4	30.5	31.45	K0.686	2,2',3,4,4',5,5' - HpCB	180	2.6	32	4.5		0.64	0.20	
PCB-181		K0.058		K0.220	<0.0691		K0.058	2,2',3,4,4',5,6 - HpCB	181	2.6	32	4.5		0.00		
PCB-182		K0.084		K0.110	K0.372		K0.084	2,2',3,4,4',5,6 - HpCB	182	2.6	32	4.5		0.00		
PCB-183/185	85.75	K0.526		15.1	17.4	16.25	K0.526	2,2',3,4,4',5,6 - HpCB	183	2.6	32	4.5		0.31	0.08	
PCB-184	2.19	<0.0173		K0.068	K0.050		<0.0173	2,2',3,4,4',6,6' - HpCB	184	2.6	32	4.5		0.00		
PCB-186		<0.0190		K0.081	K0.070											

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location	Riverside Park													Plante's Ferry			
CLIENT ID	AN-14LP	LAB BLANK	SPIKED MATRIX	DAY ZERO	TRIP BLANK	Average of Day	LAB BLANK			Transfer Coefficient:		(days)		AN-01LPA			
AXYS ID		WG10754-101	WG10754-102	L6164-1	L6286-1	Zero SPMD and	WG10754-101	Name	k1(s) (L/g*d)	(Meadows et al 1998)	Rs	Days	Ms	EAF*	L6164-2		
WORKGROUP		Blank Corr				Trip Blank	WG10754								WG10490	Blank	
UNITS		pg/sample					pg/sample	IUPAC NO.							pg/L	Corrected	EAF*
PCB-192		<0.0218		K0.112	K0.076		<0.0218	2,3,3',4,5,5',6 - HpCB	192	2.6	32	4.5			0.00		
PCB-194	17.55	K0.367		4.85	K4.02	4.85	K0.367	2,2',3,3',4,4',5,5' - OcCB	194	1.3	32	4.5			0.00		
PCB-195	5.67	K0.159		2.49	K1.71	2.49	K0.159	2,2',3,3',4,4',5,6 - OcCB	195	1.6	32	4.5		0.09	0.03		
PCB-196	12.65	0.118		K3.29	3.65	3.65	0.118	2,2',3,3',4,4',5,6' - OcCB	196	1.6	32	4.5		0.12	0.04		
PCB-197/200	8.6	<0.0312		K2.98	<0.0594		<0.0312	2,2',3,3',4,4',6,6' - OcCB	197	1.6	32	4.5		0.09	0.09		
PCB-198/199	38.61	K0.238		K10.0	8.49	8.49	K0.238	2,2',3,3',4,5,5',6 - OcCB	198	1.8	32	4.5		0.71	0.54		
PCB-201		<0.0306		2.38	2.33	2.355	<0.0306	2,2',3,3',4,5',6,6' - OcCB	201	1.8	32	4.5			0.00		
PCB-202	15.9	K0.188	93.5	K4.75	K4.63		K0.188	2,2',3,3',5,5',6,6' - OcCB	202	1.6	32	4.5		0.13	0.13		
PCB-203	18.82	K0.117		5.08	K4.98	5.08	K0.117	2,2',3,4,4',5,5',6 - OcCB	203	1.6	32	4.5		0.15	0.03		
PCB-204	0.177	<0.0305		0.148	K0.174	0.148	<0.0305	2,2',3,4,4',5,6,6' - OcCB	204	1.6	32	4.5			0.00		
PCB-205		0.519	96.4	0.965	K0.455	0.965	0.519	2,3,3',4,4',5,5',6 - OcCB	205	1.6	32	4.5		0.02	0.00		
PCB-206		0.84	93.6	2.46	K2.29	2.46	0.84	2,2',3,3',4,4',5,5',6 - NoCB	206	0.40	32	4.5			0.00		
PCB-207	1.44	<0.259		<0.627	K0.814		<0.259	2,2',3,3',4,4',5,6,6' - NoCB	207	0.40	32	4.5			0.00		
PCB-208		0.491	94.7	K1.26	K1.29		0.491	2,2',3,3',4,5,5',6,6' - NoCB	208	0.40	32	4.5			0.00		
PCB-209	2.74	1.2	84.5	K3.27	3.06	3.06	1.2	2,2',3,3',4,4',5,5',6,6' - DeCB	209	0.40	32	4.5		0.48	0.20		
								SPMDs									
								Total Monochloro Biphenyls						0.16	0.03		
								Total Dichloro Biphenyls						3.89	1.90		
								Total Trichloro Biphenyls						28.71	17.55		
								Total Tetrachloro Biphenyls						33.54	24.42		
								Total Pentachloro Biphenyls						10.70	7.25		
								Total Hexachloro Biphenyls						5.43	2.68		
								Total Heptachloro Biphenyls						2.14	0.59		
								Total Octachloro Biphenyls						1.31	0.86		
								Total Nonachloro Biphenyls						0.00	0.00		
								Decachloro Biphenyl						0.48	0.20		
								TOTAL PCBs									
														86.37	55.49		

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Blank Corrected	EAF*	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Blank Corrected	EAF*	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	Blank Corrected	EAF*	Laboratory Blank LAB BLANK WG10490-101 i WG10490 pg/sample	Blank Corrected	EAF*	State Line AN-11LP L6286-6 WG10754 pg/sample	Blank Corrected	EAF*	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	Blank Corrected	EAF*	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	Blank Corrected				
PCB-1	0.13	0.00	1.37	0.07	0.00	1.965	0.04	0.00	1.000		2.14	0.07	0.01	1.56	0.07	0.00	2.35	0.05	0.00					
PCB-2	0.03	0.01					0.01	0.00				0.01	0.00		0.02	0.01		0.02	0.01					
PCB-3	0.08	0.00		0.06	0.00		0.03	0.00				0.06	0.03		0.06	0.01		0.05	0.01					
PCB-4	0.73	0.25		0.53	0.22		0.15	0.00				0.24	0.04		0.37	0.09		0.43	0.25					
PCB-5				0.02	0.00		0.01	0.00				0.01	0.00		0.02	0.00		0.01	0.00					
PCB-6	0.50	0.22		0.37	0.18		0.12	0.00				0.14	0.02		0.24	0.08		0.17	0.06					
PCB-7	0.08	0.00		0.06	0.01		0.03	0.00				0.04	0.00		0.05	0.00		0.04	0.01					
PCB-8	1.63	0.18		1.17	0.23		0.55	0.00				0.70	0.10		1.00	0.18		0.77	0.22					
PCB-9	0.10	0.00		0.08	0.01		0.04	0.00				0.05	0.00		0.07	0.01		0.06	0.03					
PCB-10	0.05	0.02		0.03	0.02		0.01	0.00				0.01	0.00		0.02	0.01		0.03	0.02					
PCB-11	2.74	2.18		3.69	3.33		0.76	0.51				0.52	0.29		9.88	9.56		9.00	8.79					
PCB-12/13	0.16	0.07		0.20	0.14		0.06	0.02				0.06	0.02		0.18	0.13		0.16	0.12					
PCB-14								0.00					0.00											
PCB-15	1.00	0.31		0.92	0.48		0.37	0.05				0.47	0.18		0.81	0.42		1.00	0.74					
PCB-16	1.72	0.49		1.58	0.79		0.64	0.09				0.74	0.23		1.28	0.58		1.54	1.08					
PCB-17	2.15	0.63		2.12	1.14		0.74	0.05				0.88	0.25		1.54	0.67		1.95	1.37					
PCB-18/30	3.23	1.18		3.25	1.92		1.03	0.11		0.01		1.23	0.38		2.18	1.02		3.12	2.35					
PCB-19	1.12	0.71		1.04	0.77		0.20	0.02		0.03		0.26	0.09		0.50	0.27		0.58	0.43					
PCB-20/28	6.39	2.46		7.04	4.50		2.10	0.33		0.02		2.41	0.79		5.00	2.77		5.96	4.47					
PCB-21/33	3.35	0.82		2.92	1.29		1.36	0.22		0.01		1.43	0.39		2.45	1.02		2.28	1.33					
PCB-22	3.01	1.14		2.90	1.69		0.94	0.09				1.09	0.31		2.35	1.29		2.61	1.90					
PCB-23								0.00				0.03	0.03						0.01	0.01				
PCB-24	0.12	0.07		0.10	0.07			0.00				0.03	0.01		0.06	0.03		0.08	0.06					
PCB-25	0.71	0.30		0.70	0.43		0.23	0.04				0.24	0.07		0.51	0.27		0.58	0.43					
PCB-26/29	1.73	0.70		1.75	1.09		0.55	0.08				0.59	0.17		1.19	0.61		1.55	1.16					
PCB-27	0.51	0.29		0.49	0.35		0.13	0.03				0.13	0.04		0.30	0.18		0.34	0.25					
PCB-31	6.59	2.45		6.95	4.28		2.18	0.31		0.02		2.46	0.74		5.00	2.65		6.96	5.39					
PCB-32	1.63	0.65		1.46	0.84		0.47	0.03				0.55	0.14		0.93	0.38		1.18	0.81					
PCB-34	0.03	0.01		0.04	0.03			0.00				0.04	0.03		0.02	0.01		0.03	0.02					
PCB-35				0.11	0.07		0.05	0.02							0.14	0.11		0.26	0.24					
PCB-36								0.00							0.05	0.05		0.10	0.10					
PCB-37	1.39	0.54		1.51	0.96		0.48	0.10		0.01		0.56	0.21		1.25	0.76		1.60	1.27					
PCB-38					0.01	0.01		0.00								0.03	0.02							
PCB-39								0.00									0.02							
PCB-40/41/71	2.55	1.30		3.50	2.70		0.89	0.33		0.02		0.76	0.24		2.11	1.40		2.60	2.13					
PCB-42	1.36	0.71		2.03	1.61		0.43	0.14				0.39	0.12		1.23	0.85		1.36	1.11					
PCB-43	0.29	0.16		0.41	0.33		0.10	0.04				0.07	0.02		0.21	0.14		0.28	0.23					
PCB-44/47/65	3.99	2.19		6.24	5.08		1.35	0.54				1.17	0.43		3.86	2.84		5.18	4.50					
PCB-45/51	1.20	0.68		1.64	1.31		0.36	0.13		0.02		0.33	0.12		0.85	0.56		0.96	0.76					
PCB-46	0.54	0.30		0.74	0.59		0.18	0.07				0.16	0.06		0.43	0.30		0.47	0.38					
PCB-48	1.96	0.85		2.91	2.19		0.76	0.26				0.66	0.20		1.65	1.02		2.10	1.68					
PCB-49/69	3.69																							

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Blank Corrected	EAF*	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Blank Corrected	EAF*	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	Blank Corrected	EAF*	Laboratory Blank LAB BLANK WG10490-101 i WG10490 pg/sample	Blank Corrected	EAF*	State Line AN-11LP L6286-6 WG10754 pg/sample	Blank Corrected	EAF	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	Blank Corrected	EAF	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	Blank Corrected				
PCB-58								0.00									0.26		0.23					
PCB-59/62/75	0.68	0.40		0.97	0.79		0.21	0.09			0.18	0.06		0.49	0.33		0.56	0.45						
PCB-60	1.05	0.57		1.52	1.21		0.30	0.08			0.30	0.10		1.01	0.73		1.34	1.15						
PCB-61/70/74/76	5.87	3.17		10.19	8.45		1.87	0.65		0.04	1.66	0.55		7.16	5.63		10.85	9.83						
PCB-63	0.19	0.10		0.42	0.36		0.07	0.03			0.05	0.02		0.20	0.16		0.26	0.22						
PCB-64	2.10	1.30		3.18	2.66		0.59	0.23			0.55	0.21		1.91	1.45		2.24	1.93						
PCB-66	4.88	3.23		8.36	7.30		1.15	0.41		0.03	1.00	0.32		4.79	3.86		5.47	4.85						
PCB-67	0.14	0.05		0.23	0.17		0.06	0.02			0.05	0.01		0.14	0.09		0.18	0.15						
PCB-68				0.06	0.05			0.00			0.01	0.01			0.03		0.02		0.04		0.04			
PCB-72				0.07	0.07		0.01	0.01							0.04	0.04		0.04	0.04					
PCB-73								0.00																
PCB-77	0.62	0.44		1.04	0.92		0.18	0.10			0.18	0.11		0.74	0.64		0.87	0.80						
PCB-78								0.00																
PCB-79				0.07	0.07		0.02	0.02							0.07	0.07		0.12	0.12					
PCB-80								0.00																
PCB-81								0.00												0.03	0.03			
PCB-82	0.39	0.26		0.73	0.65		0.14	0.08			0.13	0.07		0.84	0.76		1.29	1.24						
PCB-83/99	1.70	1.03		3.70	3.27		0.62	0.31			0.62	0.34		4.10	3.72		6.13	5.88						
PCB-84	0.79	0.41		1.44	1.19		0.31	0.14			0.35	0.19		1.87	1.66		3.19	3.04						
PCB-85/116/117	0.71	0.51		1.55	1.42		0.22	0.13			0.20	0.12		1.42	1.30		1.87	1.80						
PCB-86/87/97/108/119/12	1.99	1.21		3.35	2.84		0.86	0.51		0.03	0.86	0.54		4.54	4.10		7.98	7.69						
PCB-88/91	0.53	0.32		1.10	0.96		0.19	0.09			0.18	0.09		1.11	0.99		1.48	1.40						
PCB-89				0.12	0.11		0.01	0.00			0.02	0.01		0.09	0.08		0.10	0.09						
PCB-90/101/113	1.95	0.84		3.48	2.75		1.02	0.51		0.02	0.97	0.51		5.89	5.25		9.48	9.06						
PCB-92	0.41	0.19		0.84	0.71		0.22	0.12			0.21	0.12		1.25	1.13		1.92	1.84						
PCB-93/95/98/100/102	1.82	0.83		3.22	2.58		0.92	0.47			0.89	0.49		5.09	4.54		7.68	7.31						
PCB-94	0.05	0.05		0.06	0.06			0.00			0.01	0.01							0.05	0.05				
PCB-96	0.04	0.03						0.00			0.01	0.01		0.05	0.04		0.06	0.05						
PCB-103				0.06	0.05			0.00											0.06	0.05				
PCB-104								0.00																
PCB-105	1.27	0.96		2.18	1.98		0.40	0.26		0.01	0.39	0.26		2.70	2.52		3.89	3.77						
PCB-106								0.10	0.10										0.32	0.32				
PCB-107/124	0.09	0.06		0.15	0.13		0.03	0.02							0.19	0.18		0.33	0.32					
PCB-109	0.18	0.18		0.37	0.37			0.00							0.40	0.40		0.61	0.61					
PCB-110/115	2.48	1.63		4.35	3.79		1.03	0.65		0.02	1.08	0.73		6.52	6.03		10.08	9.76						
PCB-111								0.00																
PCB-112								0.00																
PCB-114				0.15	0.15		0.02	0.02							0.14	0.14		0.22	0.22					
PCB-118	2.19	1.51		3.75	3.31		0.85	0.54		0.03	0.80	0.52		5.40	5.02		8.48	8.22						
PCB-120								0.00																
PCB-121								0.00																
PCB-122	0.06	0.06		0.10	0.10			0.00							0.07	0.07								
PCB-123	0.07	0.07		0.13	0.13		0.01	0.01																
PCB-126				0.06	0.06			0.00											0.05	0.05				
PCB-127																								

Table D-2

Sample Location	Boulder Beach	Dam Forebay	Barker Road	Laboratory Blank	State Line	Monroe St.	Riverside Park							
CLIENT ID	AN-02LPA	AN-03LPA	AN-12LPA	LAB BLANK	AN-11LP	AN-13LP	AN-14LP							
AXYS ID	L6164-3 i	L6164-4	L6164-5	WG10490-101 i	L6286-6	L6286-8	L6286-9							
WORKGROUP UNITS	WG10490 pg/sample	Blank Corrected	EAF*	Blank Corrected	EAF*	Blank Corrected	EAF							
PCB-131				0.00		0.01	0.00	0.10	0.10					
PCB-132	0.56	0.22		0.72	0.50	0.33	0.18	0.01	0.01	1.85	0.66	2.37	2.24	
PCB-133						0.00				0.08	0.07			
PCB-134/143	0.11	0.05		0.13	0.09		0.00			0.28	0.25	0.38	0.35	
PCB-135/151/154	0.67	0.16		0.79	0.47	0.36	0.14		0.41	0.20	2.36	2.08	2.52	2.32
PCB-136	0.24	0.04		0.26	0.13		0.00		0.14	0.06	0.86	0.75	0.90	0.83
PCB-137	0.09	0.05		0.15	0.12		0.00		0.04	0.03	0.30	0.28	0.38	0.37
PCB-139/140							0.00		0.02	0.02	0.09	0.09	0.13	0.13
PCB-141	0.30	0.06		0.37	0.21	0.18	0.07		0.16	0.06	0.99	0.86	1.18	1.09
PCB-142							0.00							
PCB-144	0.10	-0.01		0.13	0.06	0.06	0.01		0.07	0.02			0.44	0.40
PCB-145							0.00							
PCB-146	0.26	0.12		0.36	0.27	0.18	0.11	0.01	0.15	0.08	0.70	0.62	0.89	0.83
PCB-147/149	1.19	0.27		1.46	0.87	0.77	0.36		0.72	0.34	4.46	3.94	5.00	4.65
PCB-148							0.00						0.01	0.01
PCB-150							0.00							
PCB-152	0.01	0.00					0.00							
PCB-153/168	2.12	0.71		2.88	1.97	1.40	0.76	0.05	1.19	0.61	6.53	5.73	7.94	7.41
PCB-155							0.00			0.02	0.02			
PCB-156/157				0.41	0.33	0.15	0.08	0.01	0.14	0.09	0.80	0.72	1.05	1.00
PCB-158				0.29	0.21	0.13	0.07				0.60	0.53	0.81	0.77
PCB-159				0.03	0.03		0.00						0.04	0.04
PCB-161							0.00							
PCB-162							0.00						0.02	0.02
PCB-164	0.14	0.07		0.18	0.14	0.08	0.05				0.37	0.33	0.46	0.44
PCB-165							0.00							
PCB-167	0.07	0.04					0.00		0.03	0.02	0.16	0.14	0.21	0.20
PCB-169							0.00	0.01						
PCB-170	0.51	0.51		0.44	0.44		0.00		0.22	0.22	0.66	0.66	0.77	0.77
PCB-171/173				0.19	0.19	0.09	0.09				0.30	0.30	0.34	0.34
PCB-172							0.00		0.10	0.04				
PCB-174	0.58	0.17		0.52	0.26	0.29	0.11		0.29	0.12	1.15	0.91	1.10	0.94
PCB-175				0.04	0.04	0.02	0.02		0.02	0.02	0.07	0.07		
PCB-176						0.09	0.02				0.28	0.20	0.25	0.19
PCB-177	0.43	0.15				0.20	0.08		0.19	0.07	0.66	0.51	0.68	0.58
PCB-178	0.18	0.18		0.17	0.17	0.09	0.09		0.08	0.08	0.32	0.32	0.30	0.30
PCB-179	0.55	0.08		0.44	0.13	0.26	0.05		0.26	0.06	1.10	0.83	1.04	0.86
PCB-180/193	1.23	0.38		1.20	0.65	0.57	0.19		0.55	0.20	2.02	1.53	2.53	2.21
PCB-181							0.00							
PCB-182							0.00							
PCB-183/185	0.50	0.06		0.52	0.23	0.26	0.06		0.25	0.07	0.95	0.70	1.04	0.88
PCB-184							0.00						0.02	0.02
PCB-186						0.00		0.00						
PCB-187	0.84	0.21		0.80	0.40	0.44	0.16		0.39	0.13	1.46	1.11	1.54	1.31
PCB-188							0.00							
PCB-189							0.00		0.01	0.00				
PCB-190	0.12	0.12				0.00					0.13	0.13	0.18	0.18
PCB-191						0.00					0.04	0.04		

Table D-2
Raw SPMD Data and Blank Correction Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Blank Corrected	EAF*	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Blank Corrected	EAF*	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	Blank Corrected	EAF*	Laboratory Blank LAB BLANK WG10490-101 i WG10490 pg/sample	EAF	State Line AN-11LP L6286-6 WG10754 pg/sample	Blank Corrected	EAF	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	Blank Corrected	EAF	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	Blank Corrected				
PCB-192								0.00								0.00	0.00						
PCB-194	0.38	0.12		0.44	0.27			0.00		0.03		0.11	0.00		0.43	0.28		0.46	0.36				
PCB-195	0.16	0.05		0.15	0.08			0.00				0.04	0.00					0.14	0.09				
PCB-196								0.00								0.22	0.13		0.27	0.21			
PCB-197/200	0.07	0.07						0.00								0.11	0.11		0.14	0.14			
PCB-198/199	0.47	0.14		0.46	0.25		0.23	0.08			0.20	0.06		0.49	0.30		0.70	0.57					
PCB-201								0.00		0.00		0.05	0.01		0.08	0.03							
PCB-202	0.21	0.21						0.00										0.26	0.26				
PCB-203	0.33	0.11						0.15	0.05									0.40	0.31				
PCB-204								0.00				0.01	0.01					0.01	0.00				
PCB-205				0.04	0.01			0.00				0.01	0.00										
PCB-206								0.00				0.27	0.09										
PCB-207								0.00				0.05	0.05						0.10	0.10			
PCB-208								0.00															
PCB-209								0.42	0.17	0.09									0.39	0.18			
	0.24	0.01		0.13	0.00		0.08	0.00		0.00		0.15	0.04		0.16	0.02		0.11	0.02				
	6.99	3.23		7.07	4.62		2.10	0.58		0.00		2.24	0.66		12.64	10.48		11.67	10.24				
	33.68	12.45		33.97	20.23		11.11	1.53		0.10		12.68	3.88		24.80	12.69		30.71	22.66				
	39.98	22.59		64.14	52.86		12.53	4.68		0.14		11.13	3.91		40.52	30.60		53.51	46.93				
	16.73	10.15		30.87	26.61		6.95	3.98		0.12		6.73	4.01		41.69	37.94		65.30	62.79				
	8.01	2.96		11.22	7.82		4.98	2.73		0.09		4.61	2.52		26.83	23.87		33.01	31.01				
	4.95	1.88		4.31	2.51		2.32	0.87		0.00		2.35	1.02		9.15	7.32		9.80	8.58				
	1.62	0.69		1.09	0.61		0.38	0.13		0.03		0.42	0.08		1.33	0.85		2.37	1.96				
	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.32	0.14		0.00	0.00		0.10	0.10				
	0.00	0.00		0.00	0.00		0.42	0.17		0.09		0.00	0.00		0.00	0.00		0.39	0.18				
	112.20	53.96		152.80	115.24		40.88	14.67		0.57		40.62	16.25		157.12	123.77		206.95	184.47				

Table D-3
Performance Reference Compound Data and Calculations - August 2003 Data

Sample Location		Plante's Ferry	Boulder Beach	Dam Forebay	Barker Road	Stateline	Monroe St	Riverside	Day Zero
PCB Congener 8 - Labeled with C13									
	8L - nominal recovery	68.00%	89.20%	75.40%	65.40%	85.40%	65.20%	79.40%	122.40%
	8L - adj recovery	55.56%	72.88%	61.60%	53.43%	69.77%	53.27%	64.87%	
	Ke PRC - adjusted	0.01837	0.00989	0.01514	0.01959	0.01125	0.01968	0.01352	
	Ke PRC cal	0.0491	0.0491	0.0491	0.0491	0.0491	0.0491	0.0491	
	EAF - Huckins	0.374	0.202	0.309	0.399	0.229	0.401	0.276	
PAHs log Kow									
		nominal % recovery							
4.38	Fluorene-d10	11	30	16	8	9	14	6	103
4.54	Anthracene-d10	43	69	50	38	34	45	30	109
5.3	Pyrene-d10	94	102	101	88	79	96	81	114
		Mass Rec (ug)							
	Fluorene-d10	1.1	3	1.6	0.8	0.9	1.4	0.6	10.3
	Anthracene-d10	4.3	6.9	5	3.8	3.4	4.5	3	10.9
	Pyrene-d10	9.4	10.2	10.1	8.8	7.9	9.6	8.1	11.4
		actual percent recovery							
	Fluorene-d10	10.7%	29.1%	15.5%	7.8%	8.7%	13.6%	5.8%	100.0%
	Anthracene-d10	39.4%	63.3%	45.9%	34.9%	31.2%	41.3%	27.5%	100.0%
	Pyrene-d10	82.5%	89.5%	88.6%	77.2%	69.3%	84.2%	71.1%	100.0%
	Fluorene-d10 Ke PRC	0.06990	0.03855	0.05819	0.07985	0.07617	0.06236	0.08884	
	Anthracene-d10 Ke PRC	0.02907	0.01429	0.02435	0.03293	0.03641	0.02765	0.04032	
	Pyrene-d10 Ke PRC	0.00603	0.00348	0.00378	0.00809	0.01146	0.00537	0.01068	
	Fluorene-d10 EAF	1.93	1.07	1.61	2.21	2.11	1.73	2.46	
	Anthracene-d10 EAF	2.57	1.26	2.15	2.91	3.21	2.44	3.56	
	Pyrene-d10 EAF	0.58	0.34	0.36	0.78	1.10	0.52	1.03	
	Average EAF (all PAH)	1.69	0.89	1.37	1.97	2.14	1.56	2.35	

Note: All abbreviations and calculations are defined in the text at the beginning of this appendix.

Constants				
PCB-8 Constants				
Kspmd	58000		PCB-6	From USGS / Huckins spreadsheet
Ke PRC cal	0.0491			
PAH Constants	SPMD K1 L/g-d	Kspmd	Ke PRC cal	
Fluorene-d10	0.56	15500	0.0361	
Anthracene-d10	0.53	46773	0.0113	
Pyrene-d10	0.83	80000	0.0104	
PAH Constants	SPMD K1 L/g-d	Kspmd	Ke PRC cal	
Fluorene-d10	0.56	15500	0.0361	
Anthracene-d10	0.53	46773	0.0113	
Pyrene-d10	0.83	80000	0.0104	

Table D-4
Total PCBs - Qualified Per EPA Region X Guidelines - August 2003 Data

SPMDs	State Line pg/L	Barker Road pg/L	Plante's Ferry pg/L	Boulder Beach pg/L	Dam Forebay pg/L	Monroe St. pg/L	Riverside pg/L
Total Monochloro Biphenyls	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dichloro Biphenyls	0.00	0.00	0.00	0.00	3.69	9.88	9.00
Total Trichloro Biphenyls	0.03	0.00	1.10	0.00	0.01	0.05	0.37
Total Tetrachloro Biphenyls	0.04	0.03	1.44	0.00	51.38	1.13	49.98
Total Pentachloro Biphenyls	0.01	0.13	0.26	0.36	24.18	41.69	65.30
Total Hexachloro Biphenyls	0.11	0.07	0.11	0.12	0.72	26.83	33.01
Total Heptachloro Biphenyls	0.31	0.20	0.00	0.82	0.83	1.52	9.55
Total Octachloro Biphenyls	0.00	0.00	0.22	0.28	0.00	0.11	1.10
Total Nonachloro Biphenyls	0.05	0.00	0.00	0.00	0.00	0.00	0.10
Decachloro Biphenyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL PCBs	0.56	0.44	3.13	1.59	80.82	81.20	168.39
Sum of Penta & Greater	0.49	0.41	0.59	1.59	25.73	70.15	109.05

Table D-5
Raw Data, EPA Qualification, and Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/sample	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	LAB BLANK WG10490-101 i WG10490 pg/sample	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample	State Line AN-11LP L6286-6 WG10754 pg/sample	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	LAB BLANK WG10754-101 WG10754 pg/sample	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample
PCB-1	30.2 UB	23 UB	20.5 UB	14.8 UB	<2.06	26.3	25.7	32.4 UB	23 UB	22.9 UB	K0.723	26.3	25.7
PCB-2	6.89 UB	6.21 UB	k6.2	4.59 UB	<2.34	3.93	3.58	4.45 UB	7.55 UB	7.47 UB	K0.348	3.93	3.58
PCB-3	19.8 UB	14.4 UB	15.5 UB	13.3 UB	k3.72	17.6	16.2	28.1 UB	20 UB	21.9 UB	K1.27	17.6	16.2
PCB-4	193 UB	133 UB	148 UB	62.2 UB	<12.5	89.6	85.1	107 UB	117 UB	209 UB	<1.04	89.6	85.1
PCB-5	6.8 UB	K5.51	6.37 UB	5 UB	<8.50	5.5	4.92	6.57 UB	6.67 UB	6.86 UB	<0.799	5.5	4.92
PCB-6	144 UB	91.8 UB	104 UB	48 UB	<8.22	56.2	48.6	59.8 UB	77 UB	82.2 UB	<0.746	56.2	48.6
PCB-7	19.7 UB	14.3 UB	17.6 UB	13.4 UB	<7.93	15.6	15.4	16 UB	16.9 UB	20.1 UB	K1.22	15.6	15.4
PCB-8	394 UB	296 UB	329 UB	220 UB	<7.85	287	240	307 UB	320 UB	368 UB	<0.701	287	240
PCB-9	24.5 UB	18.3 UB	22 UB	15.6 UB	<8.03	18.8	17.6	20.3 UB	22.3 UB	30.8 UB	<0.731	18.8	17.6
PCB-10	12.5 UB	8.19 UB	8.47 UB	3.65 UB	<8.24	4.29	3.74	5.33 UB	6.42 UB	13.3 UB	<0.772	4.29	3.74
PCB-11	192 UB	498 UB	1040	307 UB	<8.68	111	93.2	230 UB	3160	4330	2.17	111	93.2
PCB-12/13	57.9 UB	29.6 UB	55 UB	22.9 UB	<8.55	15.8	16.7	24.8 UB	56.7 UB	75.6 UB	<0.787	15.8	16.7
PCB-14	<1.57	<3.46	<1.57	<1.96	<8.32	<1.12	<0.868	<1.65	<1.06	<1.86	<0.762	<1.12	<0.868
PCB-15	305 UB	182 UB	259 UB	147 UB	<9.85	133	117	204 UB	258 UB	480 UB	<1.01	133	117
PCB-16	230 UB	164 UB	234 UB	136 UB	<2.47	128	107	171 UB	215 UB	389 UB	<0.341	128	107
PCB-17	288 UB	205 UB	313 UB	156 UB	k2.2	158	132	202 UB	258 UB	491 UB	0.488	158	132
PCB-18/30	600 UB	422 UB	657 UB	299 UB	2.45	287	248	387 UB	501 UB	1080 UB	K0.797	287	248
PCB-19	158	84 UB	121 UB	33.6 UB	4.34	30.7	K27.6	46.9 UB	66.3 UB	116 UB	0.397	30.7	K27.6
PCB-20/28	1300 UB	762 UB	1300 UB	555 UB	6.05	501	435	694 UB	1050 UB	1880 UB	0.73	501	435
PCB-21/33	438 UB	319 UB	431 UB	288 UB	2.66	262	219	330 UB	411 UB	575 UB	K0.437	262	219
PCB-22	419 UB	244 UB	363 UB	168 UB	k2.59	164	139	212 UB	335 UB	559 UB	K0.279	164	139
PCB-23	k1.68	<2.87	<1.80	<1.70	<1.77	K1.19	<0.720	6.76	K1.24	2.21	<0.161	K1.19	<0.720
PCB-24	16.7 UB	11.4 UB	15 UB	k6.45	<1.53	K5.12	4.53	6.91 UB	9.89 UB	19 UB	<0.213	K5.12	4.53
PCB-25	99 UB	57.8 UB	87.5 UB	40.5 UB	<1.54	35.2	32.1	47.1 UB	72.7 UB	125 UB	<0.146	35.2	32.1
PCB-26/29	249 UB	140 UB	220 UB	98.4 UB	<1.70	85.4	81.7	116 UB	170 UB	331 UB	<0.161	85.4	81.7
PCB-27	88 UB	49 UB	73.1 UB	28.1 UB	<1.56	22.6	20	30.4 UB	50.7 UB	85.4 UB	<0.214	22.6	20
PCB-31	1080 UB	655 UB	1070 UB	480 UB	5.57	431	392	589 UB	875 UB	1830 UB	0.69	431	392
PCB-32	323 UB	155 UB	216 UB	99.5 UB	k2.02	101	84.3	126 UB	156 UB	298 UB	K0.243	101	84.3
PCB-34	4.96 UB	2.96 UB	6.2 UB	k2.3	<1.71	2.44	K1.66	10.3 UB	4.13 UB	7.01 UB	<0.160	2.44	K1.66
PCB-35	19.3 UB	K10.1	15.7 UB	9.82 UB	<1.77	5.14	4.78	K9.17	24 UB	64.8	<0.170	5.14	4.78
PCB-36	<1.47	<2.88	<1.91	<1.80	<1.59	<0.547	<0.699	K0.805	7.76	25.2	<0.156	<0.547	<0.699
PCB-37	199 UB	133 UB	223 UB	102 UB	1.96	83.4	79.3	130 UB	209 UB	403 UB	0.41	83.4	79.3
PCB-38	k1.99	<3.06	2.15	<1.79	<1.58	<0.548	<0.700	K0.875	<0.930	<1.30	<0.156	<0.548	<0.700
PCB-39	k6.89	<2.95	k6.81	k2.27	<1.57	1.43	1.74	K2.26	5.17 UB	K8.82	<0.148	1.43	1.74
PCB-40/41/71	389 UB	232 UB	493 UB	180 UB	3.83	119	108	166 UB	338 UB	626	K0.164	119	108
PCB-42	202 UB	120 UB	277 UB	84.8 UB	<0.670	61.5	54.2	82.3 UB	190 UB	316	K0.151	61.5	54.2
PCB-43	33.6 UB	25.1 UB	55.6	18.6 UB	<0.699	10.9	K11.6	15.3 UB	33.1 UB	64.2	<0.103	10.9	K11.6
PCB-44/47/65	744 UB	425 UB	1030	319 UB	k6.99	205	178	301 UB	724 UB	1460	0.848	205	178
PCB-45/51	209 UB	108 UB	229 UB	72.4 UB	3.13	47.6	45.4	72.1 UB	135 UB	228 UB	0.121	47.6	45.4
PCB-46	62.7 UB	33.7 UB	71.5 UB	24.5 UB	<0.732	15.8	13.8	24 UB	47.3 UB	77.1 UB	<0.102	15.8	13.8
PCB-48	152 UB	97.3 UB	224 UB	83.8 UB	k1.33	55	55.3	78.6 UB	144 UB	276 UB	K0.173	55	55.3
PCB-49/69	498 UB	278 UB	753	207 UB	3.67	132	126	194 UB	484 UB	916	K0.386	132	126
PCB-50/53	171	79.3 UB	185	51.6 UB	1.92	33.3	31.6	51.3 UB	113 UB	186	K0.141	33.3	31.6
PCB-52	948 UB	514 UB	1230	377 UB	<0.565	232	212	367 UB	1060 UB	2470	K1.23	232	212
PCB-54	5.34	2.73 UB	4.6	1.6 UB	k1.88	0.792	K0.682	6.27	2.01 UB	3.36 UB	K0.091	0.792	K0.682
PCB-55	k10	K14.8	23.3 UB	k9.21	<1.20	5.08	K4.67	K5.65	K13.1	K23.2	<0.139	5.08	K4.67
PCB-56	195 UB	142 UB	367	78.3 UB	k1.97	59.1	53.8	85.9 UB	254 UB	474	K0.335	59.1	53.8
PCB-57	3.26	<3.60	4.74	<1.79	<1.14	K1.31	<1.09	1.63	2.92				

Table D-5
Raw Data, EPA Qualification, and Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/sample	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	LAB BLANK WG10490-101 i WG10490 pg/sample	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample	State Line AN-11LP L6286-6 WG10754 pg/sample	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	LAB BLANK WG10754-101 WG10754 pg/sample	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample
PCB-67	17.4 UB	10.5 UB	26.5 UB	9.98 UB	<1.04	6.31	6.66	9.16 UB	17.9 UB	36.2	<0.119	6.31	6.66
PCB-68	k3.22	<3.38	6.62	k2.54	<1.08	<0.714	1.06	2 UB	3.65 UB	8.55	K0.173	<0.714	1.06
PCB-72	4.15	<3.39	8.8	1.97	<1.11	<0.699	<1.02	K1.64	5.28	7.82	<0.121	<0.699	<1.02
PCB-73	<1.12	<1.78	<1.09	<0.798	<0.699	<0.141	<0.159	<0.205	<0.146	<0.327	<0.0651	<0.141	<0.159
PCB-77	30.2 UB	25.7 UB	66.3	16.6 UB	k1.73	7.39	K7.23	18 UB	53.6	94.8	K0.376	7.39	K7.23
PCB-78	<2.61	<3.84	<2.74	<1.82	<1.15	<0.767	<1.11	<0.975	<0.864	<1.86	<0.133	<0.767	<1.11
PCB-79	4.72	K3.68	8.18	3.11	<0.966	K1.18	<0.964	K2.86	8.76	23.7	<0.115	K1.18	<0.964
PCB-80	<2.32	<3.41	<2.51	<1.68	<1.02	<0.708	<1.03	<0.900	<0.798	<1.72	<0.122	<0.708	<1.03
PCB-81	<2.79	<4.09	k4.24	k2.3	<1.14	<0.836	<1.25	K4.33	K1.50	5.32	K0.208	<0.836	<1.25
PCB-82	29.5 UB	24.4 UB	71.1	19.5 UB	<0.897	8.79	8.01	18.9 UB	92.3	214	<0.261	8.79	8.01
PCB-83/99	131 UB	111 UB	374	89.1 UB	k2.82	41.9	45.2	97.9 UB	471	1060	K0.453	41.9	45.2
PCB-84	70.5 UB	49.6 UB	139	43.4 UB	<0.926	27.1	20.5	52.2 UB	206	527	<0.252	27.1	20.5
PCB-85/116/117	57.4 UB	48.6 UB	164	33.8 UB	k1.32	14.1	13.7	33.6 UB	170	338	<0.189	14.1	13.7
PCB-86/87/97/108/119/125	155 UB	133 UB	346	127 UB	3.9	53.7	50.2	139 UB	533	1410	K0.311	53.7	50.2
PCB-88/91	48.5 UB	33.1 UB	106	25.9 UB	<0.807	14.6	12	27 UB	122	244	<0.220	14.6	12
PCB-89	k6.28	k2.8	12.6	1.65 UB	<0.851	1.55	K1.25	3.09 UB	10.8	16.8	<0.235	1.55	K1.25
PCB-90/101/113	226 UB	172 UB	474 UB	198 UB	4.71	97.1	99.7	207 UB	912	2210	0.809	97.1	99.7
PCB-92	41.7 UB	30.6 UB	98.3	36 UB	<0.820	15.7	16.5	38.3 UB	166	383	<0.231	15.7	16.5
PCB-93/95/98/100/102	251 UB	160 UB	439 UB	179 UB	<0.789	92.9	80.2	190 UB	789	1790	0.967	92.9	80.2
PCB-94	3.58	2.96	6.3	<1.14	<0.851	K0.743	<0.593	1.69	K4.00	8.92	<0.228	K0.743	<0.593
PCB-96	5.42	2.77 UB	k9.56	k1.91	k0.34	K1.27	0.839	2.18 UB	5.4	10.3	<0.0935	K1.27	0.839
PCB-103	2.92 UB	<2.19	6.02	k1.78	<0.751	0.897	K0.775	K1.46	K4.77	9.81	<0.196	0.897	K0.775
PCB-104	k0.418	<1.90	k0.76	k0.377	<0.437	K0.309	0.086	K4.00	K0.269	K0.444	K0.122	K0.309	0.086
PCB-105	74.6 UB	72.3 UB	192	50.6 UB	1.7	17.7	18	53.4 UB	270	585	K0.365	17.7	18
PCB-106	3.22	k2.79	<1.56	14	<0.945	<0.418	<0.849	K10.4	<1.05	55.1	<0.212	<0.418	<0.849
PCB-107/124	7.77 UB	6.73 UB	17.3	5.82 UB	<0.992	K1.78	1.91	K5.31	25.2	66.4	<0.227	K1.78	1.91
PCB-109	12.2	11.9	37.7	k10.8	<0.936	K3.08	K4.44	<0.970	46.3	106	<0.223	K3.08	K4.44
PCB-110/115	221 UB	201 UB	545	185 UB	4.17	72.6	66	211 UB	928	2160	0.704	72.6	66
PCB-111	<1.06	<1.87	<1.82	<0.856	<0.596	<0.308	<0.439	<0.495	<0.594	<1.07	<0.169	<0.308	<0.439
PCB-112	<1.05	<1.85	<1.78	<0.840	<0.632	<0.316	<0.450	<0.508	<0.609	<1.10	<0.173	<0.316	<0.450
PCB-114	k7.39	k5.75	14.1	3.27	<1.03	K2.31	K1.98	K5.55	15.7	37.1	<0.224	K2.31	K1.98
PCB-118	151 UB	149 UB	396	128 UB	4.61	44.9	47.8	132 UB	648	1530	K0.787	44.9	47.8
PCB-120	<1.03	<1.82	<1.76	<0.831	<0.563	<0.302	<0.430	<0.485	K1.01	K2.53	<0.165	<0.302	<0.430
PCB-121	<1.04	<1.83	<1.76	<0.829	<0.608	<0.301	<0.429	<0.484	<0.580	<1.04	<0.165	<0.301	<0.429
PCB-122	k3.66	4.02	9.64	k2.06	<1.07	K0.636	<0.970	K2.06	8.24	K17.0	<0.242	K0.636	<0.970
PCB-123	5.26	4.63	12.7	2.06	<1.04	K2.51	K1.41	K4.01	K16.7	K23.4	<0.244	K2.51	K1.41
PCB-126	1.48	<2.14	3.03	k2.17	<1.09	K0.889	<1.07	K1.30	K2.81	4.02	<0.257	K0.889	<1.07
PCB-127	<1.13	<1.74	<1.74	<0.875	<0.951	<0.437	<0.887	<0.963	<1.09	<1.54	<0.221	<0.437	<0.887
PCB-128/166	17.8 UB	16.3 UB	35.3	18.6 UB	<0.610	<0.429	6.31	19.8 UB	80.8	146	<0.235	<0.429	6.31
PCB-129/138/160/163	121 UB	105 UB	229 UB	147 UB	k4.95	54.1	52.1	140 UB	550	1070	K0.916	54.1	52.1
PCB-130	9.08	7.01	15.6	9.2	<0.795	K3.06	K3.97	8.59	36.1	65.4	<0.299	K3.06	K3.97
PCB-131	2.98	<2.48	k3.19	k1.94	<0.784	K0.734	K1.14	2.14	K7.13	15.7	<0.281	K0.734	K1.14
PCB-132	40.5 UB	33.3 UB	66.9 UB	43.5 UB	1.76	20.3	K18.8	48.2 UB	194	374	<0.284	20.3	K18.8
PCB-133	2.86 UB	<2.28	k4.22	<1.67	<0.764	0.905	K0.988	K2.92	8.15	K17.5	<0.276	0.905	K0.988
PCB-134/143	7.5 UB	7.71 UB	14.1 UB	k8.35	<0.803	3.68	4.76	K7.90	33.7	68	<0.283	3.	

Table D-5
Raw Data, EPA Qualification, and Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/sample	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	LAB BLANK WG10490-101 i WG10490 pg/sample	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample	State Line AN-11LP L6286-6 WG10754 pg/sample	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	LAB BLANK WG10754-101 WG10754 pg/sample	DAY ZERO L6164-1 WG10754 pg/sample	TRIP BLANK L6286-1 WG10754 pg/sample
PCB-148	k0.239	k0.253	<0.200	k0.382	<0.277	K0.168	K0.192	K0.197	K0.416	1.5	<0.0352	K0.168	K0.192
PCB-150	K0.448	<0.153	k0.739	k0.364	k0.339	0.129	K0.132	K0.094	K0.436	K1.40	0.033	0.129	K0.132
PCB-152	K0.755	0.317 UB	k0.527	<0.131	<0.194	K0.124	0.097	K0.119	K0.387	K0.949	K0.043	K0.124	0.097
PCB-153/168	118 UB	96.5 UB	203 UB	141 UB	4.78	59.9	68.8	131 UB	522	955	0.763	59.9	68.8
PCB-155	K0.615	k0.631	k0.344	<0.113	k0.402	0.37	K0.170	2.61	K0.233	K2.05	K0.058	0.37	K0.170
PCB-156/157	13.7 UB	K10.9	23.7 UB	11.9 UB	1.24	5.01	K5.24	12.7 UB	51.9	103	K0.539	5.01	K5.24
PCB-158	12.3 Ub	K10.7	22.2 UB	13.9 UB	<0.499	5.73	K5.36	K12.6	52.5	107	<0.193	5.73	K5.36
PCB-159	k2.11	<1.66	2.81	<1.25	<0.519	K0.799	K0.783	K0.994	K3.96	5.74	<0.205	K0.799	K0.783
PCB-161	<0.705	<1.56	<0.867	<1.20	<0.538	<0.363	<0.330	<0.681	<0.874	<0.957	<0.199	<0.363	<0.330
PCB-162	k1.12	<1.68	<0.923	<1.28	<0.523	<0.376	<0.342	<0.705	K1.47	2.98	<0.206	<0.376	<0.342
PCB-164	k10.6	8.26 UB	16.5 UB	11 UB	<0.543	3.79	K4.85	K11.1	38.5	73	<0.214	3.79	K4.85
PCB-165	<0.793	<1.76	<0.971	<1.34	<0.585	<0.398	<0.362	<0.746	<0.957	<1.05	<0.218	<0.398	<0.362
PCB-167	5.39 UB	4.06 UB	k8.81	k5.05	<0.408	1.42	K1.73	4.62 UB	16.6	33.6	0.267	1.42	K1.73
PCB-169	2.01 UB	<1.72	k1.42	<1.34	0.589	<0.388	<0.367	<0.710	<0.947	<1.08	K0.250	<0.388	<0.367
PCB-170	k15.7	19	25	k19.6	k1.39	K11.3	K8.80	19.2	43	75.4	K0.337	K11.3	K8.80
PCB-171/173	k7.47	k7.84	10.6	7.35	<0.166	K4.47	K4.44	K7.54	19.6	33	K0.159	K4.47	K4.44
PCB-172	k5.26	k4.21	k6.59	k4.73	k0.213	K2.34	2.44	4.4 UB	K11.5	K19.2	0.111	K2.34	2.44
PCB-174	26.5 UB	25.5 UB	35.5 UB	28.3 UB	k0.75	K19.8	18	31 UB	88.7 UB	128	K0.061	K19.8	18
PCB-175	k1.71	k1.46	2.21	1.67	<0.159	K0.976	K1.09	1.53	4.46	K6.43	<0.0247	K0.976	K1.09
PCB-176	5.41 UB	k5.62	k5.63	5.93 UB	k0.287	K3.77	4.65	K5.14	15.5 UB	20.5 UB	K0.027	K3.77	4.65
PCB-177	k13.4	15.7 UB	k20.9	16.6 UB	k1.04	9.24	10.8	16.7 UB	43 UB	66.4	<0.0267	9.24	10.8
PCB-178	k8.64	8.05	11.8	8.78	k0.434	K5.05	K6.46	8.23	24.4	35.1	0.053	K5.05	K6.46
PCB-179	19.4 UB	17.3 UB	21.2 UB	18.2 UB	k0.319	14.8	K15.5	19.7 UB	60.5 UB	86.3	K0.154	14.8	K15.5
PCB-180/193	45.4 UB	45.6 UB	68.7 UB	47 UB	k3.1	32.4	30.5	49 UB	131 UB	247	K0.686	32.4	30.5
PCB-181	<0.148	<0.148	k0.381	<0.149	<0.153	K0.220	<0.0691	K0.280	K0.851	K2.32	K0.058	K0.220	<0.0691
PCB-182	k0.438	k0.624	k0.875	k0.779	<0.159	K0.110	K0.372	K0.947	K0.513	K0.669	K0.084	K0.110	K0.372
PCB-183/185	21.6 UB	18.5 UB	29.5 UB	21.5 UB	k0.289	15.1	17.4	22.4 UB	61.9 UB	102	K0.526	15.1	17.4
PCB-184	k0.533	k0.236	<0.106	k0.313	<0.117	K0.068	K0.050	K0.212	K0.192	2.19	<0.0173	K0.068	K0.050
PCB-186	k0.655	<0.115	<0.115	<0.116	0.152	K0.081	K0.070	<0.0625	<0.0531	K0.100	<0.0190	K0.081	K0.070
PCB-187	43 UB	41.6 UB	61.8 UB	48.7 UB	k1.75	29.4	32.7	47.2 UB	128 UB	203	0.526	29.4	32.7
PCB-188	<0.113	k0.333	k0.36	k0.355	k0.461	K0.108	<0.0440	K0.844	K0.270	K0.086	K0.101	K0.108	<0.0440
PCB-189	k1.91	<0.967	k1.82	<1.18	<0.514	<0.0529	0.949	0.885 UB	K1.71	K2.98	K0.571	<0.0529	0.949
PCB-190	k4.8	4.55	k6.7	k4.05	k0.356	K2.04	K1.89	K3.97	8.62	17.3	0.029	K2.04	K1.89
PCB-191	k0.763	k0.842	k0.562	k1.01	<0.116	K0.429	K0.379	K0.792	2.65	K4.30	K0.081	K0.429	K0.379
PCB-192	k0.911	<0.127	k0.136	k0.312	k0.192	K0.112	K0.076	K0.083	0.214	<0.0828	<0.0218	K0.112	K0.076
PCB-194	k6.59	6.99 UB	12.5 UB	k8.91	1.08	4.85	K4.02	4.81 UB	14.1 UB	22.4 UB	K0.367	4.85	K4.02
PCB-195	3.92 UB	3.55 UB	5.15 UB	k4.15	k0.513	2.49	K1.71	2.13 UB	K6.07	8.16 UB	K0.159	2.49	K1.71
PCB-196	5.3 UB	k4.58	k6.45	k4.52	k0.517	K3.29	3.65	K4.17	8.83 UB	16.3 UB	0.118	K3.29	3.65
PCB-197/200	3.77	1.61	k4.25	k2.53	<0.171	K2.98	<0.0594	K2.91	4.34	8.6	<0.0312	K2.98	<0.0594
PCB-198/199	34.8 UB	12.1 UB	18.4 UB	13.1 UB	k1.11	K10.0	8.49	12.4 UB	21.9 UB	47.1	K0.238	K10.0	8.49
PCB-201	k3.06	k2.39	k2.86	k2.12	0.184	2.38	2.33	2.98 UB	3.77 UB	K7.49	<0.0306	2.38	2.33
PCB-202	5.75	4.78	k6.88	k4.72	k0.514	K4.75	K4.63	K6.31	K10.0	15.9	K0.188	K4.75	K4.63
PCB-203	6.43 UB	7.49 UB	k11.1	7.5 UB	k0.928	5.08	K4.98	K6.84	K15.8	23.9 UB	K0.117	5.08	K4.98
PCB-204	k0.71	k0.607	k0.571	<0.188	<0.176	0.148	K0.174	0.513 UB	K0.181	0.325 UB	<0.0305	0.148	K0.174
PCB-205	0.824 UB	<1.33	1.38 UB	k1.01	k0.326	0.965	K0.455	0.684 UB	K0.495	K1.21	0.519	0.965	K0.455
PCB-206	<8.52	<9.96	<8.6										

Table D-5
Raw Data, EPA Qualification, and Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Name	IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	Time (days)	Ms	EAF*	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/L	EAF*	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	EAF*	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	EAF*	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	EAF	State Line AN-11LP L6286-6 WG10754 pg/sample	EAF	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	EAF	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	EAF	
PCB-1	2 - MoCB	1	Rs	12.8	32	4.5	1.69		0.888		1.37		1.965		2.14		1.56		2.35		1
PCB-2	3 - MoCB	2		12.8	32	4.5															
PCB-3	4 - MoCB	3		12.8	32	4.5															
PCB-4	2,2' - DiCB	4		12.8	32	4.5															
PCB-5	2,3 - DiCB	5		12.8	32	4.5															
PCB-6	2,3' - DiCB	6		12.8	32	4.5															
PCB-7	2,4 - DiCB	7		12.8	32	4.5															
PCB-8	2,4' - DiCB	8		12.8	32	4.5															
PCB-9	2,5 - DiCB	9		12.8	32	4.5															
PCB-10	2,6 - DiCB	10		12.8	32	4.5															
PCB-11	3,3' - DiCB	11		12.8	32	4.5								3.69					9.88		9.00
PCB-12/13	3,4 - DiCB	12		12.8	32	4.5															
PCB-14	3,5 - DiCB	14		12.8	32	4.5															
PCB-15	4,4' - DiCB	15		12.8	32	4.5															
PCB-16	2,2',3 - TriCB	16		6.7	32	4.5															
PCB-17	2,2',4 - TriCB	17		6.7	32	4.5															
PCB-18/30	2,2',5 - TriCB	18		9.2	32	4.5															
PCB-19	2,2',6 - TriCB	19		5.3	32	4.5			1.10												
PCB-20/28	2,3,3' - TriCB	20		8.4	32	4.5															
PCB-21/33	2,3,4 - TriCB	21		6.7	32	4.5															
PCB-22	2,3,4' - TriCB	22		5.7	32	4.5															
PCB-23	2,3,5 - TriCB	23		6.7	32	4.5											0.03			0.01	
PCB-24	2,3,6 - TriCB	24		6.7	32	4.5															
PCB-25	2,3',4 - TriCB	25		5.7	32	4.5															
PCB-26/29	2,3',5 - TriCB	26		5.7	32	4.5															
PCB-27	2,3',6 - TriCB	27		6.7	32	4.5															
PCB-31	2,4',5 - TriCB	31		7.0	32	4.5															
PCB-32	2,4',6 - TriCB	32		6.7	32	4.5															
PCB-34	2',3,5 - TriCB	34		6.7	32	4.5															
PCB-35	3,3',4 - TriCB	35		6.7	32	4.5														0.26	
PCB-36	3,3',5 - TriCB	36		6.7	32	4.5												0.05		0.10	
PCB-37	3,4,4' - TriCB	37		6.7	32	4.5															
PCB-38	3,4,5 - TriCB	38		6.7	32	4.5								0.01							
PCB-39	3,4',5 - TriCB	39		6.7	32	4.5															
PCB-40/41/71	2,2',3,3' - TeCB	40		6.4	32	4.5															2.60
PCB-42	2,2',3,4' - TeCB	42		6.2	32	4.5															1.36
PCB-43	2,2',3,5 - TeCB	43		6.2	32	4.5								0.41							0.28
PCB-44/47/65	2,2',3,5' - TeCB	44		7.5	32	4.5								6.24							5.18
PCB-45/51	2,2',3,6 - TeCB	45		6.4	32	4.5															
PCB-46	2,2',3,6' - TeCB	46		4.4	32	4.5															
PCB-48	2,2',4,5 - TeCB	48		3.5	32	4.5															
PCB-49/69	2,2',4,5' - TeCB	49		5.3	32	4.5								6.46							4.60
PCB-50/53	2,2',4,6 - TeCB	50		4.8	32	4.5			1.31					1.75							1.03
PCB-52	2,2',5,5' - TeCB	52		6.2	32	4.5								9.02							10.60
PCB-54	2,2',6,6' - TeCB	54		5.5	32	4.5			0.04					0.04				0.03			
PCB-55	2,3,3',4 - TeCB	55		5.5	32	4.5								3.06							2.31
PCB-57	2,3,3',5 - TeCB	57		5.5	32	4.5			0.02					0.04				0.01	0.02		0.03
PCB-58	2,3,3',5' - TeCB	58		5.5	32	4.5													0.26		
PCB-59/62/75	2,3,3',6 - TeCB	59		5.5	32	4.5								0.97							0.56
PCB-60	2,3,4,4' - TeCB	60		5.5	32	4.5															1.34
PCB-61/70/74/76	2,3,4,5 - TeCB	61		6.6	32	4.5								10.19							10.85
PCB-63	2,3,4',5 - TeCB	63		5.3	32	4.5								0.42							0.26
PCB-64	2,3,4',6 - TeCB	64		7.5	32	4.5				</											

Table D-5
Raw Data, EPA Qualification, and Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Name	IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	Time (days)	Ms	EAF*	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/L	EAF*	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	EAF*	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	EAF*	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	EAF	State Line AN-11LP L6286-6 WG10754 pg/sample	EAF	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	EAF	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	EAF		
PCB-67	2,3',4,5 - TeCB	67	5.3	32	4.5															0.18		
PCB-68	2,3',4,5' - TeCB	68	5.5	32	4.5							0.06								0.04		
PCB-72	2,3',5,5' - TeCB	72	5.5	32	4.5		0.03				0.07		0.01					0.04		0.04		
PCB-73	2,3',5',6 - TeCB	73	5.5	32	4.5																	
PCB-77	3,3',4,4' - TeCB	77	2.9	32	4.5							1.04							0.74		0.87	
PCB-78	3,3',4,5 - TeCB	78	4.4	32	4.5																	
PCB-79	3,3',4,5' - TeCB	79	5.1	32	4.5		0.03				0.07		0.02					0.07		0.12		
PCB-80	3,3',5,5' - TeCB	80	5.5	32	4.5																	
PCB-81	3,4,4',5 - TeCB	81	4.3	32	4.5															0.03		
PCB-82	2,2',3,3',4 - PeCB	82	4.4	32	4.5							0.73							0.84		1.29	
PCB-83/99	2,2',3,3',5 - PeCB	83	4.6	32	4.5							3.70							4.10		6.13	
PCB-84	2,2',3,3',6 - PeCB	84	4.4	32	4.5							1.44							1.87		3.19	
PCB-85/116/117	2,2',3,4,4' - PeCB	85	4.8	32	4.5							1.55							1.42		1.87	
PCB-86/87/97/108/119/125	2,2',3,4,5 - PeCB	86	4.7	32	4.5							3.35							4.54		7.98	
PCB-88/91	2,2',3,4,6 - PeCB	88	4.4	32	4.5							1.10							1.11		1.48	
PCB-89	2,2',3,4,6' - PeCB	89	4.6	32	4.5							0.12							0.09		0.10	
PCB-90/101/113	2,2',3,4',5 - PeCB	90	6.2	32	4.5														5.89		9.48	
PCB-92	2,2',3,5,5' - PeCB	92	5.3	32	4.5							0.84							1.25		1.92	
PCB-93/95/98/100/102	2,2',3,5,6 - PeCB	93	6.2	32	4.5														5.09		7.68	
PCB-94	2,2',3,5,6' - PeCB	94	4.6	32	4.5		0.03		0.05		0.06							0.01		0.05		
PCB-96	2,2',3,6,6' - PeCB	96	4.6	32	4.5		0.04											0.05		0.06		
PCB-103	2,2',4,5',6 - PeCB	103	4.6	32	4.5							0.06								0.06		
PCB-104	2,2',4,6,6' - PeCB	104	4.6	32	4.5																	
PCB-105	2,3,3',4,4' - PeCB	105	4.0	32	4.5							2.18							2.70		3.89	
PCB-106	2,3,3',4,5 - PeCB	106	4.6	32	4.5		0.03						0.10							0.32		
PCB-107/124	2,3,3',4',5 - PeCB	107	5.3	32	4.5							0.15							0.19		0.33	
PCB-109	2,3,3',4,6 - PeCB	109	4.6	32	4.5		0.10		0.18		0.37								0.40		0.61	
PCB-110/115	2,3,3',4',6 - PeCB	110	5.7	32	4.5						4.35								6.52		10.08	
PCB-111	2,3,3',5,5' - PeCB	111	4.6	32	4.5																	
PCB-112	2,3,3',5,6 - PeCB	112	4.6	32	4.5																	
PCB-114	2,3,4,4',5 - PeCB	114	4.4	32	4.5							0.15		0.02					0.14		0.22	
PCB-118	2,3',4,4',5 - PeCB	118	4.8	32	4.5							3.75							5.40		8.48	
PCB-120	2,3',4,5,5' - PeCB	120	4.6	32	4.5																	
PCB-121	2,3',4,5',6 - PeCB	121	4.6	32	4.5																	
PCB-122	2',3,3',4,5 - PeCB	122	4.6	32	4.5					0.06		0.10							0.07			
PCB-123	2',3,4,4',5 - PeCB	123	4.6	32	4.5		0.04		0.07		0.13		0.01								0.05	
PCB-126	3,3',4,4',5 - PeCB	126	2.2	32	4.5		0.02				0.06											
PCB-127	3,3',4,5,5' - PeCB	127	1.6	32	4.5																	
PCB-128/166	2,2',3,3',4,4' - HxCB	128	4.4	32	4.5							0.36							0.74		0.88	
PCB-129/138/160/163	2,2',3,3',4,5 - HxCB	129	4.2	32	4.5														5.31		6.86	
PCB-130	2,2',3,3',4,5' - HxCB	130	4.0	32	4.5		0.08		0.12		0.18		0.07		0.06		0.36		0.44			
PCB-131	2,2',3,3',4,6 - HxCB	131	4.2	32	4.5		0.03										0.01		0.10			
PCB-132	2,2',3,3',4,6' - HxCB	132	4.2	32	4.5													1.85		2.37		
PCB-133	2,2',3,3',5,5' - HxCB	133	4.2	32	4.5													0.08				
PCB-134/143	2,2',3,3',5,6 - HxCB	134	4.8	32	4.5													0.28		0.38		
PCB-135/151/154	2,2',3,3',5,6' - HxCB	135	5.3	32	4.5													2.36		2.52		
PCB-136	2,2',3,3',6,6' - HxCB	136	5.3	32</																		

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Raw Data, EPA Qualification, and Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Name	IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	Time (days)	Ms	EAF*	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/L	EAF*	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	EAF*	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	EAF*	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	EAF	State Line AN-11LP L6286-6 WG10754 pg/sample	EAF	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	EAF	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	EAF	
PCB-148	2,2',3,4',5,6' - HxCB	148	4.2	32	4.5															0.01	
PCB-150	2,2',3,4',6,6' - HxCB	150	4.2	32	4.5																
PCB-152	2,2',3,5,6,6' - HxCB	152	4.2	32	4.5																
PCB-153/168	2,2',4,4',5,5' - HxCB	153	3.2	32	4.5														6.53		7.94
PCB-155	2,2',4,4',6,6' - HxCB	155	4.2	32	4.5													0.02			
PCB-156/157	2,3,3',4,4',5 - HxCB	156	2.6	32	4.5														0.80		1.05
PCB-158	2,3,3',4,4',6 - HxCB	158	3.5	32	4.5													0.60		0.81	
PCB-159	2,3,3',4,5,5' - HxCB	159	4.2	32	4.5									0.03						0.04	
PCB-161	2,3,3',4,5',6 - HxCB	161	4.2	32	4.5																
PCB-162	2,3,3',4',5,5' - HxCB	162	4.2	32	4.5															0.02	
PCB-164	2,3,3',4',5',6 - HxCB	164	4.2	32	4.5														0.37		0.46
PCB-165	2,3,3',5,5',6 - HxCB	165	4.2	32	4.5																
PCB-167	2,3',4,4',5,5' - HxCB	167	4.2	32	4.5														0.16		0.21
PCB-169	3,3',4,4',5,5' - HxCB	169	2.1	32	4.5																
PCB-170	2,2',3,3',4,4',5 - HpCB	170	2.6	32	4.5									0.51				0.22		0.66	0.77
PCB-171/173	2,2',3,3',4,4',6 - HpCB	171	2.6	32	4.5									0.19				0.09		0.30	0.34
PCB-172	2,2',3,3',4,5,5' - HpCB	172	1.3	32	4.5																
PCB-174	2,2',3,3',4,5,6' - HpCB	174	3.1	32	4.5																1.10
PCB-175	2,2',3,3',4,5,6' - HpCB	175	2.6	32	4.5									0.04				0.02		0.07	
PCB-176	2,2',3,3',4,6,6' - HpCB	176	2.2	32	4.5																
PCB-177	2,2',3,3',4',5,6 - HpCB	177	2.6	32	4.5																0.68
PCB-178	2,2',3,3',5,5',6 - HpCB	178	3.1	32	4.5									0.18				0.09		0.32	0.30
PCB-179	2,2',3,3',5,6,6' - HpCB	179	2.2	32	4.5																1.04
PCB-180/193	2,2',3,4,4',5,5' - HpCB	180	2.6	32	4.5																2.53
PCB-181	2,2',3,4,4',5,6 - HpCB	181	2.6	32	4.5																
PCB-182	2,2',3,4,4',5,6' - HpCB	182	2.6	32	4.5																
PCB-183/185	2,2',3,4,4',5,6 - HpCB	183	2.6	32	4.5																1.04
PCB-184	2,2',3,4,4',6,6' - HpCB	184	2.6	32	4.5																0.02
PCB-186	2,2',3,4,5,6,6' - HpCB	186	2.6	32	4.5																
PCB-187	2,2',3,4',5,5',6 - HpCB	187	3.5	32	4.5																1.54
PCB-188	2,2',3,4',5,6,6' - HpCB	188	2.6	32	4.5																
PCB-189	2,3,3',4,4',5,5' - HpCB	189	2.6	32	4.5																
PCB-190	2,3,3',4,4',5,6 - HpCB	190	2.6	32	4.5									0.12						0.13	0.18
PCB-191	2,3,3',4,4',5,6 - HpCB	191	2.6	32	4.5															0.04	
PCB-192	2,3,3',4,5,5',6 - HpCB	192	2.6	32	4.5															0.00	
PCB-194	2,2',3,3',4,4',5,5' - Occb	194	1.3	32	4.5																
PCB-195	2,2',3,3',4,4',5,6 - Occb	195	1.6	32	4.5																
PCB-196	2,2',3,3',4,4',5,6' - Occb	196	1.6	32	4.5																
PCB-197/200	2,2',3,3',4,4',6,6' - Occb	197	1.6	32	4.5									0.09						0.11	0.14
PCB-198/199	2,2',3,3',4,5,5',6 - Occb	198	1.8	32	4.5									0.07							0.70
PCB-201	2,2',3,3',4,5,6,6' - Occb	201	1.8	32	4.5																
PCB-202	2,2',3,3',4,5,5',6' - Occb	202	1.6	32	4.5									0.13							0.26
PCB-203	2,2',3,4,4',5,5',6 - Occb	203	1.6	32	4.5																
PCB-204	2,2',3,4,4',5,6,6' - Occb	204	1.6	32	4.5																
PCB-205	2,3,3',4,4',5,5',6 - Occb	205	1.6	32	4.5																
PCB-206	2,2',3,3',4,4',5,5',6 - NoCb	206	0.40	32	4.5																
PCB-207	2,2',3,3',4,4',5,6,6' - NoCb	207	0.40	32	4.5														0.05		0.10
PCB-208	2,2',3,3',4,5,5',6,6' - NoCb	208	0.40	32	4.5																
PCB-209	2,2',3,3',4,4',5,5',6,6' - DeCb	209	0.4																		

Table D-5
Raw Data, EPA Qualification, and Calculations - August 2003

Sample Location CLIENT ID AXYS ID WORKGROUP UNITS	Name	IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	Time (days)	Ms	EAF*	Plante's Ferry AN-01LPA L6164-2 WG10490 pg/L	EAF*	Boulder Beach AN-02LPA L6164-3 i WG10490 pg/sample	EAF*	Dam Forebay AN-03LPA L6164-4 WG10490 pg/sample	EAF*	Barker Road AN-12LPA L6164-5 WG10490 pg/sample	EAF	State Line AN-11LP L6286-6 WG10754 pg/sample	EAF	Monroe St. AN-13LP L6286-8 WG10754 pg/sample	EAF	Riverside Park AN-14LP L6286-9 WG10754 pg/sample	EAF		
	SPMDs						0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	Total Monochloro Biphenyls						0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	Total Dichloro Biphenyls						0.00		0.00		3.69		0.00		0.00		9.88		9.00			
	Total Trichloro Biphenyls						1.10		0.00		0.01		0.00		0.03		0.05		0.37			
	Total Tetrachloro Biphenyls						1.44		0.00		51.38		0.03		0.04		1.13		49.98			
	Total Pentachloro Biphenyls						0.26		0.36		24.18		0.13		0.01		41.69		65.30			
	Total Hexachloro Biphenyls						0.11		0.12		0.72		0.07		0.11		26.83		33.01			
	Total Heptachloro Biphenyls						0.00		0.82		0.83		0.20		0.31		1.52		9.55			
	Total Octachloro Biphenyls						0.22		0.28		0.00		0.00		0.00		0.11		1.10			
	Total Nonachloro Biphenyls						0.00		0.00		0.00		0.00		0.05		0.00		0.10			
	Decachloro Biphenyl						0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	TOTAL PCBs						3.13		1.59		80.82		0.44		0.56		81.20		168.39			

Table D-6
December SPMD PCB Results - Blank Corrected

SPMDs*	State Line	Barker Road	Plante's Ferry	Boulder Beach	Dam Forebay	Monroe St.	Riverside
	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Total Monochloro Biphenyls	0.05	0.00	0.05	0.07	0.05	0.06	0.12
Total Dichloro Biphenyls	1.81	9.05	0.72	1.50	1.03	4.84	4.02
Total Trichloro Biphenyls	16.23	78.21	9.36	11.33	7.85	31.94	30.36
Total Tetrachloro Biphenyls	15.99	84.74	22.38	12.89	16.15	39.39	54.52
Total Pentachloro Biphenyls	7.54	24.23	13.77	5.81	8.80	27.10	46.51
Total Hexachloro Biphenyls	4.53	3.12	5.10	2.89	2.96	16.57	24.09
Total Heptachloro Biphenyls	1.29	3.79	1.78	1.26	0.41	4.94	7.90
Total Octachloro Biphenyls	0.27	0.09	0.23	0.32	0.06	0.50	1.61
Total Nonachloro Biphenyls	0.00	0.00	0.00	0.00	0.00	0.00	1.34
Decachloro Biphenyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL PCBs	47.72	203.23	53.39	36.06	37.32	125.34	170.48
Sum of Penta & Greater	13.63	31.24	20.88	10.27	12.24	49.11	81.46

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location	Name	State Line	State Line	Barker Road	Barker Road	Plante's Ferry	Plante's Ferry	Boulder Beach	Boulder Beach	Dam Forebay	Dam Forebay	Monroe Street	Monroe Street
CLIENT ID		AN-11LP-031218	AN-11LP-031218	AN-12LP A-031217	AN-12LP A-031217	AN-01LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-13LP-031218
Axys ID		L6425-10		L6425-11		L6425-4		L6425-6		L6425-8			L6425-13
WORKGROUP		WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected
UNITS	Name	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample
PCB-1	2 - MoCB	17.5	UB	17	UB	13.3	UB	19.4	1.45	13	UB	K19.2	U
PCB-2	3 - MoCB	7.22	7.22	K4.62	U	7.21	7.21	7.72	7.72	9.64	9.64	K7.93	U
PCB-3	4 - MoCB	K18.4	U	13.3	0.05	18.1	4.85	19.3	6.05	17.9	4.65	19.6	6.35
PCB-4	2,2' - DiCB	86.3	17.45	71.9	3.05	78.8	9.95	98.1	29.25	70.5	1.65	96.6	27.75
PCB-5	2,3 - DiCB	K7.64	U	K4.80	U	K5.01	U	K7.69	U	K5.20	U	5.79	5.79
PCB-6	2,3' - DiCB	58.6	19.6	51.8	12.8	59.7	20.7	65.4	26.4	54.6	15.6	69.7	30.7
PCB-7	2,4 - DiCB	13.6	5.37	11.2	2.97	K9.55	U	K14.5	U	11.3	3.07	13.5	5.27
PCB-8	2,4' - DiCB	280	92	234	46	220	32	291	103	216	28	289	101
PCB-9	2,5 - DiCB	K20.9	U	18.2	7	K14.7	U	K18.4	U	14.3	3.1	21.7	10.5
PCB-10	2,6 - DiCB	K5.22	U	K4.67	U	K4.86	U	K5.84	U	K4.11	U	K3.96	U
PCB-11	3,3' - DiCB	143	68.9	106	31.9	116	41.9	172	97.9	245	170.9	297	222.9
PCB-12/13	3,4 - DiCB	22.5	10.9	17.4	5.8	23.9	12.3	K23.6	U	22.5	10.9	26.9	15.3
PCB-14	3,5 - DiCB	<4.53	U	<1.71	U	<2.28	U	<3.35	U	<2.41	U	<2.96	U
PCB-15	4,4' - DiCB	139	56.65	110	27.65	158	75.65	154	71.65	149	66.65	166	83.65
PCB-16	2,2',3 - TriCB	169	75.3	132	38.3	141	47.3	177	83.3	144	50.3	185	91.3
PCB-17	2,2',4 - TriCB	199	81	155	37	181	63	204	86	188	70	228	110
PCB-18/30	2,2',5 - TriCB	381	178	289	86	352	149	377	174	364	161	431	228
PCB-19	2,2',6 - TriCB	36.4	13.85	28.1	5.55	54	31.45	46.8	24.25	45.4	22.85	49.8	27.25
PCB-20/28	2,3,3' - TriCB	641	280.5	506	145.5	740	379.5	659	298.5	690	329.5	794	433.5
PCB-21/33	2,3,4 - TriCB	369	167.5	282	80.5	270	68.5	335	133.5	259	57.5	408	206.5
PCB-22	2,3,4' - TriCB	205	85.5	170	50.5	230	110.5	220	100.5	200	80.5	246	126.5
PCB-23	2,3,5 - TriCB	K2.07	U	<0.512	U	K1.79	U	K1.57	U	2.41	2.41	<1.35	U
PCB-24	2,3,6 - TriCB	7.84	4.02	K4.17	U	K6.48	U	7.42	3.6	6.3	2.48	9.93	6.11
PCB-25	2,3',4 - TriCB	48.5	22.95	38	12.45	47.6	22.05	48	22.45	48.2	22.65	57.7	32.15
PCB-26/29	2,3',5 - TriCB	111	48.9	88	25.9	110	47.9	110	47.9	109	46.9	144	81.9
PCB-27	2,3',6 - TriCB	32	15.25	21.7	4.95	39.1	22.35	36.2	19.45	38.7	21.95	37.8	21.05
PCB-31	2,4',5 - TriCB	591	286	435	130	603	298	564	259	581	276	656	351
PCB-32	2,4',6 - TriCB	130	60.4	95.4	25.8	156	86.4	147	77.4	157	87.4	146	76.4
PCB-34	2',3,5 - TriCB	K3.07	U	<0.514	U	4.2	2.26	K3.06	U	3.06	1.12	<1.36	U
PCB-35	3,3',4 - TriCB	7.78	2.7	7.07	1.99	9.4	4.32	8.46	3.38	9.28	4.2	10.4	5.32
PCB-36	3,3',5 - TriCB	<0.800	U	K0.604	U	0.926	0.926	<0.688	U	K1.06	U	<1.24	U
PCB-37	3,4,4' - TriCB	101	33.9	85.2	18.1	128	60.9	113	45.9	112	44.9	125	57.9
PCB-38	3,4,5 - TriCB	K0.892	U	K0.522	U	1.44	1.44	0.725	0.725	K1.83	U	<1.28	U
PCB-39	3,4',5 - TriCB	<0.786	U	<0.463	U	<0.276	U	<0.676	U	<0.231	U	<1.22	U
PCB-40/41/71	2,2',3,3' - TeCB	192	85.55	154	47.55	262	155.55	216	109.55	229	122.55	236	129.55
PCB-42	2,2',3,4' - TeCB	99.2	47.6	81.7	30.1	147	95.4	107	55.4	125	73.4	121	69.4
PCB-43	2,2',3,5 - TeCB	17.7	7.31	14.2	3.81	23.3	12.91	18.5	8.11	21.9	11.51	22.1	11.71
PCB-44/47/65	2,2',3,5' - TeCB	349	180	269	100	506	337	369	200	484	315	423	254
PCB-45/51	2,2',3,6 - TeCB	84.8	45.25	66.1	26.55	109	69.45	90.4	50.85	113	73.45	94.1	54.55
PCB-46	2,2',3,6' - TeCB	26.3	16.36	21.5	11.56	32.3	22.36	K28.2	U	31.1	21.16	30.4	20.46
PCB-48	2,2',4,5 - TeCB	92.7	42.85	73.5	23.65	117	67.15	95.7	45.85	103	53.15	105	55.15
PCB-49/69	2,2',4,5' - TeCB	226	114.8	165	53.8	352	240.8	241	129.8	319	207.8	270	158.8
PCB-50/53	2,2',4,6 - TeCB	55.5	29.5	43.2	17.2	86.4	60.4	62.1	36.1	85.1	59.1	69	43
PCB-52	2,2',5,5' - TeCB	413	232	274	93	654	473	422	241	598	417	487	306
PCB-54	2,2',6,6' - TeCB	K1.41	U	K1.44	U	1.95	1.95	1.61	1.61	K1.84	U	1.46	1.46
PCB-55	2,3,3',4 - TeCB	K5.60	U	5.15	5.15	K7.77	U	K6.49	U	<1.44	U	6.78	6.78
PCB-56	2,3,3',4' - TeCB	82.3	25.4	78.4	21.5	197	140.1	111	54.1	137	80.1	133	76.1
PCB-57	2,3,3',5 - TeCB	<1.61	U	<1.83	U	<1.75	U	<1.90	U	K2.61	U	<1.96	U
PCB-58	2,3,3',5' - TeCB	<1.55	U	<1.77	U								

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location	Name	State Line	State Line	Barker Road	Barker Road	Plante's Ferry	Plante's Ferry	Boulder Beach	Boulder Beach	Dam Forebay	Dam Forebay	Monroe Street	Monroe Street	
CLIENT ID		AN-11LP-031218	AN-11LP-031218	AN-12LP A-031217	AN-12LP A-031217	AN-01LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-02LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-13LP A-031218	AN-13LP A-031218
Axys ID		L6425-10		L6425-11		L6425-4		L6425-6		L6425-8		L6425-13		
WORKGROUP	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	
UNITS	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	
PCB-66	2,3',4,4' - TeCB	184	60.2	163	39.2	410	286.2	224	100.2	321	197.2	314	190.2	
PCB-67	2,3',4,5 - TeCB	9.63	5.11	7.69	3.17	13.8	9.28	9.78	5.26	11.5	6.98	13.3	8.78	
PCB-68	2,3',4,5' - TeCB	K2.59	U	<1.71	U	2.58	2.58	K2.04	U	8.74	8.74	2.13	2.13	
PCB-72	2,3',5,5' - TeCB	<1.59	U	<1.77	U	K3.39	U	<1.89	U	K2.18	U	K1.98	U	
PCB-73	2,3',5,6 - TeCB	<0.152	U	<0.360	U	<0.239	U	<0.279	U	<0.287	U	<0.272	U	
PCB-77	3,3',4,4' - TeCB	10.9	3.125	9.18	1.405	22.7	14.925	K15.3	U	19.8	12.025	18.7	10.925	
PCB-78	3,3',4,5 - TeCB	<1.37	U	<1.64	U	<1.50	U	<1.63	U	<1.36	U	<1.76	U	
PCB-79	3,3',4,5' - TeCB	1.88	0.19	<1.38	U	<1.32	U	<1.44	U	K2.28	U	K3.39	U	
PCB-80	3,3',5,5' - TeCB	<1.32	U	<1.52	U	<1.44	U	<1.56	U	<1.30	U	<1.64	U	
PCB-81	3,4,4',5 - TeCB	<1.32	U	<1.59	U	<1.41	U	<1.54	U	<1.35	U	K1.93	U	
PCB-82	2,2',3,3',4 - PeCB	15.2	6.35	12	3.15	40.7	31.85	19.5	10.65	24.8	15.95	26.8	17.95	
PCB-83/99	2,2',3,3',5 - PeCB	78.3	30.4	60.2	12.3	175	127.1	89.7	41.8	137	89.1	152	104.1	
PCB-84	2,2',3,3',6 - PeCB	41.1	20.4	34.1	13.4	91.2	70.5	51.7	31	68.7	48	68.2	47.5	
PCB-85/116/117	2,2',3,4,4' - PeCB	25.7	10.9	18.6	3.8	70	55.2	31.7	16.9	49	34.2	52.4	37.6	
PCB-86/87/97/108/119/125	2,2',3,4,5 - PeCB	105	50.7	69.7	15.4	215	160.7	109	54.7	165	110.7	173	118.7	
PCB-88/91	2,2',3,4,6 - PeCB	24.2	12.195	17.9	5.895	54	41.995	29	16.995	41.5	29.495	41.2	29.195	
PCB-89	2,2',3,4,6' - PeCB	2.56	2.56	K2.63	U	6.21	6.21	3.59	3.59	K4.46	U	K4.36	U	
PCB-90/101/113	2,2',3,4',5 - PeCB	198	89.1	134	25.1	324	215.1	186	77.1	276	167.1	292	183.1	
PCB-92	2,2',3,5,5' - PeCB	33.3	10	22.9	UB	59.7	36.4	34.8	11.5	50.6	27.3	49	25.7	
PCB-93/95/98/100/102	2,2',3,5,6 - PeCB	179	100	121	42	289	210	172	93	249	170	239	160	
PCB-94	2,2',3,5,6' - PeCB	<1.30	U	1.85	1.85	K2.89	U	<1.53	U	K2.16	U	2.2	2.2	
PCB-96	2,2',3,6,6' - PeCB	K2.01	U	K1.83	U	4.48	4.48	3.26	3.26	3.21	3.21	K2.34	U	
PCB-103	2,2',4,5',6 - PeCB	2.26	0.86	1.29	UB	2.91	1.51	<1.31	U	K2.32	U	K2.41	U	
PCB-104	2,2',4,6,6' - PeCB	<0.524	U	0.526	0.526	<0.352	U	<0.614	U	K0.404	U	<0.428	U	
PCB-105	2,3,3',4,4' - PeCB	34.7	13.4	23.5	2.2	98.9	77.6	43.8	22.5	66.1	44.8	78.1	56.8	
PCB-106	2,3,3',4,5 - PeCB	<1.64	U	<0.920	U	<1.74	U	<1.52	U	<1.59	U	<2.52	U	
PCB-107/124	2,3,3',4',5 - PeCB	3.92	3.92	3.08	3.08	11.8	11.8	5.49	5.49	7.13	7.13	9.03	9.03	
PCB-109	2,3,3',4,6 - PeCB	K7.03	U	K4.34	U	17.9	15.3	K7.56	U	13.9	11.3	12.5	9.9	
PCB-110/115	2,3,3',4',6 - PeCB	152	75.9	97.6	21.5	326	249.9	158	81.9	254	177.9	285	208.9	
PCB-111	2,3,3',5,5' - PeCB	<0.878	U	<0.711	U	<0.702	U	<1.03	U	<1.03	U	<0.571	U	
PCB-112	2,3,3',5,6 - PeCB	<0.933	U	<0.719	U	<0.746	U	<1.10	U	<1.09	U	<0.577	U	
PCB-114	2,3,4,4',5 - PeCB	K3.21	U	K2.49	U	6.57	6.57	K3.73	U	K5.56	U	5.48	5.48	
PCB-118	2,3',4,4',5 - PeCB	101	43	61	3	212	154	104	46	162	104	184	126	
PCB-120	2,3',4,5,5' - PeCB	<0.851	U	<0.688	U	<0.680	U	<1.00	U	<0.996	U	<0.553	U	
PCB-121	2,3',4,5,6 - PeCB	<0.906	U	<0.730	U	<0.724	U	<1.07	U	<1.06	U	<0.586	U	
PCB-122	2',3,3',4,5 - PeCB	<1.82	U	K1.45	U	K3.90	U	<1.69	U	K1.98	U	<2.67	U	
PCB-123	2',3,4,4',5 - PeCB	K3.61	U	K3.37	U	K10.6	U	K4.59	U	K7.41	U	K7.12	U	
PCB-126	3,3',4,4',5 - PeCB	<2.09	U	<0.975	U	<2.00	U	<1.79	U	<1.96	U	<2.70	U	
PCB-127	3,3',4,5,5' - PeCB	<1.65	U	<0.873	U	<1.75	U	<1.53	U	<1.60	U	<2.39	U	
PCB-128/166	2,2',3,3',4,4' - HxCB	11.6	5.06	6.6	0.06	17.4	10.86	10.2	3.66	13.6	7.06	20	13.46	
PCB-129/138/160/163	2,2',3,3',4,5 - HxCB	114	52.45	66.7	5.15	162	100.45	107	45.45	133	71.45	190	128.45	
PCB-130	2,2',3,3',4,5' - HxCB	7.04	4.81	K3.62	U	10.5	8.27	6.55	4.32	7.87	5.64	10.1	7.87	
PCB-131	2,2',3,3',4,6 - HxCB	<1.01	U	<0.696	U	3	3	<1.25	U	K1.90	U	K2.37	U	
PCB-132	2,2',3,3',4,6' - HxCB	37.2	13.5	26.4	2.7	55	31.3	38.2	14.5	43.5	19.8	63.6	39.9	
PCB-133	2,2',3,3',5,5' - HxCB	2.48	1.02	K1.50	U	K2.86	U	2.3	0.84	3.16	1.7	3.12	1.66	
PCB-134/143	2,2',3,3',5,6 - HxCB	<0.998	U	<0.696	U	<1.39	U	<1.24	U	<0.896	U	<0.849</		

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location	Name	State Line	State Line	Barker Road	Barker Road	Plante's Ferry	Plante's Ferry	Boulder Beach	Boulder Beach	Dam Forebay	Dam Forebay	Monroe Street	Monroe Street	
CLIENT ID		AN-11LP-031218	AN-11LP-031218	AN-12LP A-031217	AN-12LP A-031217	AN-01LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-13LP-031218	AN-13LP-031218
Axys ID		L6425-10		L6425-11		L6425-4		L6425-6		L6425-8		L6425-13		
WORKGROUP	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	
UNITS	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	
PCB-146	2,2',3,4',5,5' - HxCB	22.2	10.16	12.7	0.66	28.6	16.56	20.2	8.16	25	12.96	29.6	17.56	
PCB-147/149	2,2',3,4',5,6 - HxCB	150	54.75	95.6	0.35	175	79.75	139	43.75	143	47.75	216	120.75	
PCB-148	2,2',3,4',5,6' - HxCB	<0.428	U	<0.262	U	<0.630	U	<0.243	U	K0.205	U	K0.348	U	
PCB-150	2,2',3,4',6,6' - HxCB	<0.322	U	<0.194	U	<0.475	U	<0.183	U	<0.0288	U	<0.0357	U	
PCB-152	2,2',3,5,6,6' - HxCB	<0.318	U	<0.190	U	<0.469	U	<0.181	U	K0.090	U	<0.0349	U	
PCB-153/168	2,2',4,4',5,5' - HxCB	130	42.6	78.9	UB	174	86.6	125	37.6	141	53.6	194	106.6	
PCB-155	2,2',4,4',6,6' - HxCB	<0.250	U	K0.554	U	<0.375	U	0.369	0.369	0.57	0.57	K0.249	U	
PCB-156/157	2,3,3',4,4',5 - HxCB	K13.1	U	7.86	UB	17.4	7.72	13.2	3.52	14.4	4.72	18.8	9.12	
PCB-158	2,3,3',4,4',6 - HxCB	11.5	2.28	7.29	UB	15.5	6.28	K9.18	U	10.7	1.48	18.3	9.08	
PCB-159	2,3,3',4,5,5' - HxCB	1.86	0.5	K1.73	U	K2.22	U	K2.19	U	K1.24	U	K1.96	U	
PCB-161	2,3,3',4,5,6 - HxCB	<0.684	U	<0.474	U	<0.950	U	<0.849	U	<0.614	U	<0.578	U	
PCB-162	2,3,3',4,5,5' - HxCB	<0.640	U	<0.459	U	<0.890	U	<0.796	U	<0.575	U	K0.611	U	
PCB-164	2,3,3',4',5,6 - HxCB	8.26	3.645	4.58	UB	11.5	6.885	7.61	2.995	K9.71	U	12.3	7.685	
PCB-165	2,3,3',5,5,6 - HxCB	<0.746	U	<0.530	U	<1.04	U	<0.927	U	<0.670	U	<0.646	U	
PCB-167	2,3',4,4',5,5' - HxCB	4.62	0.83	3.47	UB	7.39	3.6	K5.12	U	5.7	1.91	7	3.21	
PCB-169	3,3',4,4',5,5' - HxCB	<0.788	U	<0.472	U	<0.885	U	<0.813	U	<0.781	U	<0.607	U	
PCB-170	2,2',3,3',4,4',5 - HpCB	13.1	1.3	8.33	UB	19.9	8.1	14.5	2.7	12.4	0.6	20.3	8.5	
PCB-171/173	2,2',3,3',4,4',6 - HpCB	5.64	UB	K4.82	U	7.31	1.53	5.85	0.07	5.18	UB	7.86	2.08	
PCB-172	2,2',3,3',4,5,5' - HpCB	K3.24	U	2.76	1.13	5.23	3.6	4.15	2.52	K3.60	U	5.48	3.85	
PCB-174	2,2',3,3',4,5,6' - HpCB	25.9	4.75	20.5	UB	31.7	10.55	27.6	6.45	21.6	0.45	36.9	15.75	
PCB-175	2,2',3,3',4,5,6 - HpCB	K1.70	U	1.2	1.2	K1.51	U	K1.32	U	K1.22	U	K2.06	U	
PCB-176	2,2',3,3',4,6,6' - HpCB	5.53	UB	K6.08	U	6.45	0.75	7.23	1.53	K4.76	U	7.17	1.47	
PCB-177	2,2',3,3',4',5,6 - HpCB	14.8	4.195	11.1	0.495	K18.2	U	15.8	5.195	13.5	2.895	18.7	8.095	
PCB-178	2,2',3,3',5,5,6 - HpCB	8.06	8.06	6.53	6.53	10.2	10.2	9.12	9.12	8.01	8.01	K10.1	U	
PCB-179	2,2',3,3',5,6,6' - HpCB	21.6	2.35	18.9	UB	24.6	5.35	23.1	3.85	18.4	UB	24.9	5.65	
PCB-180/193	2,2',3,4,4',5,5' - HpCB	41	7.75	30	UB	60.3	27.05	46.1	12.85	40.2	6.95	61	27.75	
PCB-181	2,2',3,4,4',5,6 - HpCB	<0.0398	U	<0.0414	U	K0.392	U	0.238	0.238	K0.204	U	K0.621	U	
PCB-182	2,2',3,4,4',5,6' - HpCB	K0.130	U	K0.259	U	0.166	0.166	K0.428	U	K0.173	U	K0.573	U	
PCB-183/185	2,2',3,4,4',5,6 - HpCB	21.6	3.35	17.8	UB	27.7	9.45	23.6	5.35	20.4	2.15	28.1	9.85	
PCB-184	2,2',3,4,4',6,6' - HpCB	<0.0313	U	K0.397	U	K0.255	U	K0.161	U	<0.0261	U	0.263	0.263	
PCB-186	2,2',3,4,5,6,6' - HpCB	<0.0336	U	K0.072	U	K0.045	U	K0.047	U	<0.0281	U	K0.137	U	
PCB-187	2,2',3,4',5,5,6 - HpCB	42.5	6.85	33.9	UB	52.6	16.95	42.2	6.55	37.3	1.65	54	18.35	
PCB-188	2,2',3,4',5,6,6' - HpCB	K0.109	U	K0.392	U	K0.192	U	<0.0315	U	0.178	0.178	K0.257	U	
PCB-189	2,3,3',4,4',5,5' - HpCB	K1.25	U	K1.06	U	K1.41	U	K1.56	U	K1.41	U	K1.09	U	
PCB-190	2,3,3',4,4',5,6 - HpCB	3.37	3.37	2.24	2.24	4.59	4.59	K3.47	U	3.19	3.19	4.79	4.79	
PCB-191	2,3,3',4,4',5,6 - HpCB	0.778	0.449	K0.529	U	1.11	0.781	K0.666	U	K0.857	U	K1.12	U	
PCB-192	2,3,3',4,5,5,6 - HpCB	<0.0355	U	<0.0360	U	<0.0393	U	K0.063	U	K0.049	U	K0.056	U	
PCB-194	2,2',3,3',4,4',5,5' - OcCB	5.58	1.64	4.08	0.14	K9.86	U	6.29	2.35	5.17	1.23	5.41	1.47	
PCB-195	2,2',3,3',4,4',5,6 - OcCB	K2.79	U	1.55	UB	K3.51	U	2.71	0.72	2.09	0.1	2.41	0.42	
PCB-196	2,2',3,3',4,4',5,6 - OcCB	K3.86	U	K2.93	U	K5.35	U	K4.58	U	K3.39	U	K4.70	U	
PCB-197/200	2,2',3,3',4,4',6,6' - OcCB	K2.23	U	K2.87	U	K2.93	U	2.48	UB	K1.41	U	0.62	UB	
PCB-198/199	2,2',3,3',4,5,5,6 - OcCB	11.8	2.48	7.58	UB	14.1	4.78	13.1	3.78	9.5	0.18	13.6	4.28	
PCB-201	2,2',3,3',4,5,6,6' - OcCB	K2.24	U	K2.31	U	2.67	0.28	K2.55	U	K1.66	U	2.44	0.05	
PCB-202	2,2',3,3',5,5,6,6' - OcCB	4.71	UB	4.47	UB	5.72	0.865	5.67	0.815	K4.00	U	5.29	0.435	
PCB-203	2,2',3,4,4',5,5,6 - OcCB	6.57	0.87	K5.10	U	8.14	2.44	6.54	0.84	5.38	UB	K7.74	U	

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location	Name	State Line	State Line	Barker Road	Barker Road	Plante's Ferry	Plante's Ferry	Boulder Beach	Boulder Beach	Dam Forebay	Dam Forebay	Monroe Street	Monroe Street
CLIENT ID		AN-11LP-031218	AN-11LP-031218	AN-12LP A-031217	AN-12LP A-031217	AN-01LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-13LP-031218
Axys ID		L6425-10		L6425-11		L6425-4		L6425-6		L6425-8		L6425-13	
WORKGROUP		WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected	WG11043	Blank Corrected
UNITS		pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample
Total Dichloro Biphenyls		743.00	270.87	620.50	137.17	656.40	192.50	780.50	328.20	783.20	299.87	986.19	502.86
Total Trichloro Biphenyls		3029.52	1355.77	2332.47	662.54	3067.67	1395.80	3053.61	1379.86	2957.35	1281.66	3528.63	1854.88
Total Tetrachloro Biphenyls		2460.75	1119.59	1938.06	598.70	4130.23	2790.76	2650.99	1329.23	3539.14	2199.67	3253.27	1913.80
Total Pentachloro Biphenyls		996.24	469.69	679.25	153.20	2005.37	1476.22	1041.54	516.39	1567.94	1040.19	1669.91	1142.16
Total Hexachloro Biphenyls		611.84	229.41	415.35	16.44	863.32	445.97	617.47	212.59	697.01	283.74	991.80	572.99
Total Heptachloro Biphenyls		203.88	42.42	153.26	11.60	251.86	99.07	219.49	56.42	180.36	26.07	269.46	106.40
Total Octachloro Biphenyls		28.66	4.99	17.68	0.14	30.63	8.37	36.79	8.51	22.64	2.01	29.77	6.66
Total Nonachloro Biphenyls		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Decachloro Biphenyl		4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL PCBs		8103.06	3499.96	6186.87	1579.83	11044.08	6420.73	8446.80	3846.41	9788.17	5147.48	10748.64	6106.08

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location CLIENT ID Axys ID WORKGROUP UNITS	Name	Riverside State Pk	Riverside State Pk	Trip Blank-031217	Day Zero-031217		LAB BLANK	SPIKED MATRIX	IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)
		AN-14LP-031217	AN-14LP-031217							
		L6425-14								
		WG11043	Blank Corrected							
		pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	% REC	Rs
PCB-1	2 - MoCB	16.2	UB	21.1	14.8	17.95	K0.779	98.3	1	12.8
PCB-2	3 - MoCB	9.38	9.38	K3.72	K2.26	0	K0.541		2	12.8
PCB-3	4 - MoCB	21.5	8.25	15.1	11.4	13.25	K2.03	92.7	3	12.8
PCB-4	2,2' - DiCB	94.3	25.45	80	57.7	68.85	<2.53	102	4	12.8
PCB-5	2,3 - DiCB	5.66	5.66	K6.75	K3.72	0	<1.94		5	12.8
PCB-6	2,3' - DiCB	63.7	24.7	43.4	34.6	39	<1.83		6	12.8
PCB-7	2,4 - DiCB	14.1	5.87	K11.3	8.23	8.23	<1.81		7	12.8
PCB-8	2,4' - DiCB	288	100	207	169	188	<1.73		8	12.8
PCB-9	2,5 - DiCB	K22.2	U	K16.6	11.2	11.2	<1.80		9	12.8
PCB-10	2,6 - DiCB	6.09	3.19	K4.60	2.9	2.9	<1.89		10	12.8
PCB-11	3,3' - DiCB	382	307.9	85.8	62.4	74.1	1.89		11	12.8
PCB-12/13	3,4 - DiCB	24.5	12.9	K16.4	11.6	11.6	<1.84		12	12.8
PCB-14	3,5 - DiCB	<2.90	U	<3.79	<1.90	0	<1.84		14	12.8
PCB-15	4,4' - DiCB	189	106.65	95.5	69.2	82.35	<2.17	98.6	15	12.8
PCB-16	2,2',3 - TriCB	212	118.3	108	79.4	93.7	K0.786		16	6.7
PCB-17	2,2',4 - TriCB	269	151	130	106	118	0.718		17	6.7
PCB-18/30	2,2',5 - TriCB	545	342	233	173	203	1.74		18	9.2
PCB-19	2,2',6 - TriCB	51.4	28.85	26.8	18.3	22.55	0.682	97.6	19	5.3
PCB-20/28	2,3,3' - TriCB	912	551.5	424	297	360.5	K1.34		20	8.4
PCB-21/33	2,3,4 - TriCB	426	224.5	235	168	201.5	0.958		21	6.7
PCB-22	2,3,4' - TriCB	279	159.5	139	100	119.5	K0.456		22	5.7
PCB-23	2,3,5 - TriCB	<0.621	U	K1.29	<0.321	0	K0.247		23	6.7
PCB-24	2,3,6 - TriCB	8.91	5.09	3.82	K3.12	3.82	<0.0891		24	6.7
PCB-25	2,3',4 - TriCB	66.9	41.35	28.7	22.4	25.55	K0.107		25	5.7
PCB-26/29	2,3',5 - TriCB	168	105.9	68.5	55.7	62.1	0.272		26	5.7
PCB-27	2,3,6 - TriCB	45.2	28.45	20.3	13.2	16.75	0.094		27	6.7
PCB-31	2,4',5 - TriCB	841	536	357	253	305	1.38		31	7.0
PCB-32	2,4,6 - TriCB	186	116.4	83.5	55.7	69.6	K0.479		32	6.7
PCB-34	2',3,5 - TriCB	<0.623	U	1.94	<0.322	1.94	0.327		34	6.7
PCB-35	3,3',4 - TriCB	20.8	15.72	6.65	3.51	5.08	<0.0870		35	6.7
PCB-36	3,3',5 - TriCB	K5.15	U	<0.524	<0.293	0	<0.0791		36	6.7
PCB-37	3,4,4' - TriCB	152	84.9	84.2	50	67.1	K0.673	97.3	37	6.7
PCB-38	3,4,5 - TriCB	<0.587	U	<0.543	<0.304	0	<0.0820		38	6.7
PCB-39	3,4',5 - TriCB	<0.561	U	<0.515	<0.290	0	K0.083		39	6.7
PCB-40/41/71	2,2',3,3' - TeCB	339	232.55	136	76.9	106.45	<0.347		40	6.4
PCB-42	2,2',3,4' - TeCB	169	117.4	66.5	36.7	51.6	<0.378		42	6.2
PCB-43	2,2',3,5 - TeCB	32.3	21.91	12.6	8.18	10.39	<0.405		43	6.2
PCB-44/47/65	2,2',3,5' - TeCB	680	511	209	129	169	1.35		44	7.5
PCB-45/51	2,2',3,6 - TeCB	136	96.45	48.6	30.5	39.55	<0.354		45	6.4
PCB-46	2,2',3,6' - TeCB	39.4	29.46	K15.0	9.94	9.94	<0.418		46	4.4
PCB-48	2,2',4,5 - TeCB	159	109.15	64.2	35.5	49.85	K0.415		48	3.5
PCB-49/69	2,2',4,5' - TeCB	437	325.8	144	78.4	111.2	0.817		49	5.3
PCB-50/53	2,2',4,6 - TeCB	103	77	31.9	20.1	26	K0.401		50	4.8
PCB-52	2,2',5,5' - TeCB	929	748	232	130	181	1.88		52	6.2
PCB-54	2,2',6,6' - TeCB	1.77	1.77	K0.837	K0.580	0	<0.253	101	54	5.5
PCB-55	2,3,3',4 - TeCB	9.98	9.98	K5.55	<1.05	0	<0.455		55	5.5
PCB-56	2,3,3',4' - TeCB	181	124.1	73	40.8	56.9	0.537		56	5.5
PCB-57	2,3,3',5 - TeCB	K2.96	U	<1.16	<1.15	0	<0.500		57	5.5
PCB-58	2,3,3',5' - TeCB	<2.38	U	<1.12	<1.11	0	<0.484		58	5.5
PCB-59/62/75	2,3,3',6 - TeCB	66.3	48.1	23.4	13	18.2	<0.268		59	5.5
PCB-60	2,3,4,4' - TeCB	103	67	46.1	25.9	36	<0.448		60	5.5
PCB-61/70/74/76	2,3,4,5 - TeCB	955	703.5	333	170	251.5	K1.79		61	6.6
PCB-63	2,3,4',5 - TeCB	22	13.55	8.45	K4.55	8.45	<0.423		63	5.3
PCB-64	2,3,4',6 - TeCB	290	212.65	98.5	56.2	77.35	K0.445		64	7.5

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location CLIENT ID Axys ID WORKGROUP UNITS	Name	Riverside State Pk	Riverside State Pk					IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)
		AN-14LP-031217	AN-14LP-031217	Trip Blank-031217	Day Zero-031217	LAB BLANK	SPIKED MATRIX		
		L6425-14		L6425-1	L6425-15	WG11043-101	WG11043-102		
		WG11043	Blank Corrected	WG11043	WG11043	Average Blank	WG11043		
		pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	% REC	Rs
PCB-66	2,3',4,4' - TeCB	420	296.2	161	86.6	123.8	1.55		66 5.3
PCB-67	2,3',4,5 - TeCB	17.2	12.68	K8.07	4.52	4.52	<0.443		67 5.3
PCB-68	2,3',4,5' - TeCB	4.5	4.5	K1.49	K1.50	0	<0.454		68 5.5
PCB-72	2,3',5,5' - TeCB	<2.38	U	<1.15	<1.11	0	<0.497		72 5.5
PCB-73	2,3',5,6 - TeCB	<0.505	U	<0.370	<0.264	0	<0.269		73 5.5
PCB-77	3,3',4,4' - TeCB	24	16.225	9.86	5.69	7.775	K1.03	87.8	77 2.9
PCB-78	3,3',4,5 - TeCB	<2.20	U	<0.993	<1.03	0	<0.428		78 4.4
PCB-79	3,3',4,5' - TeCB	8.03	6.34	1.69	<0.866	1.69	<0.378		79 5.1
PCB-80	3,3',5,5' - TeCB	<2.05	U	<0.954	<0.956	0	<0.411		80 5.5
PCB-81	3,4,4',5 - TeCB	<2.15	U	K1.13	<0.987	0	K0.556	90.3	81 4.3
PCB-82	2,2',3,3',4 - PeCB	50.1	41.25	12.2	5.5	8.85	<0.534		82 4.4
PCB-83/99	2,2',3,3',5 - PeCB	289	241.1	60.4	35.4	47.9	K0.875		83 4.6
PCB-84	2,2',3,3',6 - PeCB	143	122.3	25.4	16	20.7	<0.551		84 4.4
PCB-85/116/117	2,2',3,4,4' - PeCB	87.5	72.7	19.3	10.3	14.8	<0.403		85 4.8
PCB-86/87/97/108/119/125	2,2',3,4,5 - PeCB	382	327.7	68.4	40.2	54.3	<0.418		86 4.7
PCB-88/91	2,2',3,4,6 - PeCB	74	61.995	14.7	9.31	12.005	<0.484		88 4.4
PCB-89	2,2',3,4,6' - PeCB	K7.26	U	K2.62	<1.35	0	<0.518		89 4.6
PCB-90/101/113	2,2',3,4',5 - PeCB	606	497.1	148	69.8	108.9	K0.624		90 6.2
PCB-92	2,2',3,5,5' - PeCB	98.7	75.4	23.3	K10.7	23.3	<0.493		92 5.3
PCB-93/95/98/100/102	2,2',3,5,6 - PeCB	519	440	102	56	79	K0.543		93 6.2
PCB-94	2,2',3,5,6' - PeCB	K4.01	U	<1.31	<1.38	0	<0.524		94 4.6
PCB-96	2,2',3,6,6' - PeCB	4.78	4.78	K0.769	K0.616	0	<0.286		96 4.6
PCB-103	2,2',4,5,6 - PeCB	K3.95	U	1.4	<1.21	1.4	<0.448		103 4.6
PCB-104	2,2',4,6,6' - PeCB	<0.476	U	K0.634	<0.576	0	<0.251	98.8	104 4.6
PCB-105	2,3,3',4,4' - PeCB	141	119.7	26.9	15.7	21.3	K3.40	103	105 4.0
PCB-106	2,3,3',4,5 - PeCB	<2.14	U	<1.07	K1.01	0	<0.439		106 4.6
PCB-107/124	2,3,3',4,5' - PeCB	16.1	16.1	K3.51	K1.95	0	<0.468		107 5.3
PCB-109	2,3,3',4,6 - PeCB	23.2	20.6	K4.43	2.6	2.6	<0.427		109 4.6
PCB-110/115	2,3,3',4,6' - PeCB	553	476.9	95	57.2	76.1	K0.689		110 5.7
PCB-111	2,3,3',5,5' - PeCB	<0.842	U	<0.888	<0.925	0	<0.354		111 4.6
PCB-112	2,3,3',5,6 - PeCB	<0.851	U	<0.943	<0.935	0	<0.376		112 4.6
PCB-114	2,3,4,4',5 - PeCB	K9.65	U	K3.08	K1.75	0	<0.477	103	114 4.4
PCB-118	2,3',4,4',5 - PeCB	343	285	73.7	42.3	58	7.9	100	118 4.8
PCB-120	2,3',4,5,5' - PeCB	<0.815	U	<0.860	<0.894	0	<0.343		120 4.6
PCB-121	2,3',4,5,6 - PeCB	<0.864	U	<0.915	<0.949	0	<0.365		121 4.6
PCB-122	2',3,3',4,5 - PeCB	K4.90	U	<1.19	<1.02	0	<0.486		122 4.6
PCB-123	2',3,4,4',5 - PeCB	K23.0	U	K2.13	K1.69	0	<0.485	102	123 4.6
PCB-126	3,3',4,4',5 - PeCB	<2.47	U	K1.38	<0.939	0	K0.971	99.8	126 2.2
PCB-127	3,3',4,5,5' - PeCB	<2.03	U	<1.08	<0.914	0	<0.441		127 1.6
PCB-128/166	2,2',3,3',4,4' - HxCB	30.2	23.66	6.54	K4.40	6.54	<0.422		128 4.4
PCB-129/138/160/163	2,2',3,3',4,5 - HxCB	306	244.45	80.4	42.7	61.55	K2.34		129 4.2
PCB-130	2,2',3,3',4,5' - HxCB	18.9	16.67	K4.35	2.23	2.23	<0.591		130 4.0
PCB-131	2,2',3,3',4,6 - HxCB	<1.03	U	<1.11	<0.542	0	<0.591		131 4.2
PCB-132	2,2',3,3',4,6' - HxCB	102	78.3	31.5	15.9	23.7	<0.573		132 4.2
PCB-133	2,2',3,3',5,5' - HxCB	K5.63	U	1.46	<0.507	1.46	<0.551		133 4.2
PCB-134/143	2,2',3,3',5,6 - HxCB	<1.04	U	<1.10	<0.543	0	<0.584		134 4.8
PCB-135/151/154	2,2',3,3',5,6' - HxCB	161	107.6	79.2	27.6	53.4	<0.320		135 5.3
PCB-136	2,2',3,3',6,6' - HxCB	61.3	43.8	24.9	10.1	17.5	<0.260		136 5.3
PCB-137	2,2',3,4,4',5 - HxCB	13.4	11.95	K3.21	1.45	1.45	<0.520		137 3.5
PCB-139/140	2,2',3,4,4',6 - HxCB	K5.42	U	K1.72	0.923	0.923	<0.518		139 4.2
PCB-141	2,2',3,4,5,5' - HxCB	64.5	44.35	28.1	12.2	20.15	<0.543		141 4.8
PCB-142	2,2',3,4,5,6 - HxCB	<1.00	U	<1.09	<0.526	0	<0.577		142 4.2
PCB-144	2,2',3,4,5,6' - HxCB	23.4	15.485	12	3.83	7.915	<0.329		144 4.2
PCB-145	2,2',3,4,6,6' - HxCB	K0.260	U	<0.465	K0.031	0	<0.265		145 4.2

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location CLIENT ID Axys ID WORKGROUP UNITS	Name	Riverside State Pk	Riverside State Pk					IUPAC NO.	Transfer Coefficient: K1(s) (L/g*d) (Meadows et al 1998)
		AN-14LP-031217	AN-14LP-031217	Trip Blank-031217	Day Zero-031217	LAB BLANK	SPIKED MATRIX		
		L6425-14		L6425-1	L6425-15	WG11043-101	WG11043-102		
		WG11043	Blank Corrected	WG11043	WG11043	Average Blank	WG11043		
		pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	% REC	Rs
PCB-146	2,2',3,4',5,5' - HxCB	49.8	37.76	17.1	6.98	12.04	<0.485		146 4.8
PCB-147/149	2,2',3,4',5,6 - HxCB	329	233.75	136	54.5	95.25	<0.520		147 5.7
PCB-148	2,2',3,4',5,6' - HxCB	0.752	0.752	<0.596	K0.093	0	<0.340		148 4.2
PCB-150	2,2',3,4',6,6' - HxCB	K0.453	U	<0.449	<0.0284	0	<0.256		150 4.2
PCB-152	2,2',3,5,6,6' - HxCB	<0.0446	U	<0.444	<0.0278	0	<0.253		152 4.2
PCB-153/168	2,2',4,4',5,5' - HxCB	331	243.6	125	49.8	87.4	3.02		153 3.2
PCB-155	2,2',4,4',6,6' - HxCB	1.09	1.09	<0.334	K0.499	0	K0.199	98.7	155 4.2
PCB-156/157	2,3,3',4,4',5 - HxCB	32.1	22.42	12.8	6.56	9.68	K5.17	97.4	156 2.6
PCB-158	2,3,3',4,4',6 - HxCB	31.1	21.88	9.22	K4.46	9.22	<0.365		158 3.5
PCB-159	2,3,3',4,5,5' - HxCB	K6.61	U	1.64	1.08	1.36	<0.375		159 4.2
PCB-161	2,3,3',4,5,6 - HxCB	<0.705	U	<0.754	<0.369	0	<0.400		161 4.2
PCB-162	2,3,3',4,5,5' - HxCB	K0.688	U	<0.706	<0.358	0	<0.375		162 4.2
PCB-164	2,3,3',4,5',6 - HxCB	19.8	15.185	6.39	2.84	4.615	<0.403		164 4.2
PCB-165	2,3,3',5,5,6 - HxCB	<0.788	U	<0.823	<0.413	0	<0.436		165 4.2
PCB-167	2,3',4,4',5,5' - HxCB	9.76	5.97	5.09	2.49	3.79	2.6	97.5	167 4.2
PCB-169	3,3',4,4',5,5' - HxCB	<1.23	U	<0.747	<0.594	0	<0.434	95.8	169 2.1
PCB-170	2,2',3,3',4,4',5 - HpCB	33.6	21.8	11.8	K7.87	11.8	K0.599		170 2.6
PCB-171/173	2,2',3,3',4,4',6 - HpCB	10.7	4.92	5.78	K3.28	5.78	K0.135		171 2.6
PCB-172	2,2',3,3',4,5,5' - HpCB	8.79	7.16	K3.56	1.63	1.63	<0.0248		172 1.3
PCB-174	2,2',3,3',4,5,6' - HpCB	45.6	24.45	28	14.3	21.15	K0.025		174 3.1
PCB-175	2,2',3,3',4,5',6 - HpCB	K3.11	U	K1.97	K0.395	0	K0.104		175 2.6
PCB-176	2,2',3,3',4,6,6' - HpCB	9.78	4.08	7.43	3.97	5.7	K0.086		176 2.2
PCB-177	2,2',3,3',4',5,6 - HpCB	23.8	13.195	14	7.21	10.605	0.496		177 2.6
PCB-178	2,2',3,3',5,5',6 - HpCB	15.6	15.6	K8.70	K4.09	0	K0.120		178 3.1
PCB-179	2,2',3,3',5,6,6' - HpCB	33.1	13.85	27.6	10.9	19.25	K0.050		179 2.2
PCB-180/193	2,2',3,4,4',5,5' - HpCB	105	71.75	42.6	23.9	33.25	1.51		180 2.6
PCB-181	2,2',3,4,4',5,6 - HpCB	0.65	0.65	K2.06	K0.240	0	K0.057		181 2.6
PCB-182	2,2',3,4,4',5,6' - HpCB	<0.0415	U	<0.0379	K0.326	0	K0.152		182 2.6
PCB-183/185	2,2',3,4,4',5,6 - HpCB	37.9	19.65	24.6	11.9	18.25	0.441		183 2.6
PCB-184	2,2',3,4,4',6,6' - HpCB	K1.11	U	K0.338	K0.184	0	K0.037		184 2.6
PCB-186	2,2',3,4,5,6,6' - HpCB	K0.049	U	<0.0335	K0.081	0	<0.0187		186 2.6
PCB-187	2,2',3,4',5,5',6 - HpCB	72.2	36.55	47.2	24.1	35.65	0.981		187 3.5
PCB-188	2,2',3,4',5,6,6' - HpCB	K0.160	U	K0.244	K0.243	0	K0.151	96.9	188 2.6
PCB-189	2,3,3',4,4',5,5' - HpCB	K3.53	U	K2.17	K1.02	0	K1.49	98.7	189 2.6
PCB-190	2,3,3',4,4',5,6 - HpCB	8.35	8.35	K2.21	K1.95	0	K0.166		190 2.6
PCB-191	2,3,3',4,4',5,6 - HpCB	K1.51	U	<0.0330	0.329	0.329	<0.0184		191 2.6
PCB-192	2,3,3',4,5,5',6 - HpCB	K0.057	U	K0.058	<0.0350	0	K0.094		192 2.6
PCB-194	2,2',3,3',4,4',5,5' - OcCB	16.3	12.36	4.47	3.41	3.94	K0.262		194 1.3
PCB-195	2,2',3,3',4,4',5,6 - OcCB	K4.63	U	1.99	K2.06	1.99	K0.135		195 1.6
PCB-196	2,2',3,3',4,4',5,6' - OcCB	6.39	3.79	K3.74	2.6	2.6	K0.127		196 1.6
PCB-197/200	2,2',3,3',4,4',6,6' - OcCB	K3.38	U	3.29	K1.86	3.29	K0.047		197 1.6
PCB-198/199	2,2',3,3',4,5,5',6 - OcCB	K25.1	U	11.8	6.84	9.32	K0.371		198 1.8
PCB-201	2,2',3,3',4,5,6,6' - OcCB	3.32	0.93	3.01	1.77	2.39	K0.049		201 1.8
PCB-202	2,2',3,3',5,5',6,6' - OcCB	7.55	2.695	6.24	3.47	4.855	<0.0215	96.6	202 1.6
PCB-203	2,2',3,4,4',5,5',6 - OcCB	12.9	7.2	5.7	K4.65	5.7	0.206		203 1.6
PCB-204	2,2',3,4,4',5,6,6' - OcCB	K0.281	U	0.103	<0.0392	0.103	K0.053		204 1.6
PCB-205	2,3,3',4,4',5,5',6 - OcCB	K1.30	U	K0.611	K0.514	0	K0.427	98.5	205 1.6
PCB-206	2,2',3,3',4,4',5,5',6 - NoCB	6.18	6.18	<3.05	<1.76	0	<1.38	98.6	206 0.40
PCB-207	2,2',3,3',4,4',5,6,6' - NoCB	<1.67	U	<2.28	<1.38	0	<1.10		207 0.40
PCB-208	2,2',3,3',4,5,5',6,6' - NoCB	K2.25	U	<2.26	<1.36	0	<1.15	99.5	208 0.40
PCB-209	2,2',3,3',4,4',5,5',6,6' - DeCB	K6.18	U	K3.99	9.72	9.72	K0.815	92.7	209 0.40
8L		53.9 %REC		62.9 %REC	77.6 %REC		N/A %REC		
SPMDs									
Total Monochloro Biphenyls		47.08	17.63						

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location	Name	Riverside State Pk	Riverside State Pk					IUPAC NO.	Transfer Coefficient: k1(s) (L/g*d) (Meadows et al 1998)
CLIENT ID		AN-14LP-031217	AN-14LP-031217	Trip Blank-031217	Day Zero-031217		LAB BLANK		
Axys ID		L6425-14		L6425-1	L6425-15		WG11043-101	WG11043-102	
WORKGROUP		WG11043	Blank Corrected	WG11043	WG11043	Average Blank	WG11043	WG11043	
UNITS		pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	% REC	
Total Dichloro Biphenyls		1067.35	592.32						
Total Trichloro Biphenyls		4183.21	2509.46						
Total Tetrachloro Biphenyls		5126.48	3785.32						
Total Pentachloro Biphenyls		3330.38	2802.63						
Total Hexachloro Biphenyls		1585.10	1168.67						
Total Heptachloro Biphenyls		405.07	242.01						
Total Octachloro Biphenyls		46.46	26.98						
Total Nonachloro Biphenyls		6.18	6.18						
Decachloro Biphenyl		0.00	0.00						
TOTAL PCBs		15797.31	11151.18						

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location						State Line	Barker Road	Plante's Ferry	Boulder Beach	Dam Forebay	Monroe Street	Riverside State Pk	
						AN-11LP-031218	AN-12LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-13LP-031218	AN-14LP-031217	
		Time (days)		Days if 17th	Days if 18th	Ms	EAF*	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
UNITS	Name												
PCB-1	2 - MoCB	22	23	4.5	1.01	0.00	0.11	0.00	1.89	0.00	1.55	0.01	2.06
PCB-2	3 - MoCB	22	23	4.5		0.05		0.00		0.03		0.04	
PCB-3	4 - MoCB	22	23	4.5		0.00		0.00		0.02		0.03	
PCB-4	2,2' - DiCB	22	23	4.5		0.12		0.20		0.04		0.13	
PCB-5	2,3 - DiCB	22	23	4.5		0.00		0.00		0.00		0.00	
PCB-6	2,3' - DiCB	22	23	4.5		0.13		0.84		0.08		0.12	
PCB-7	2,4 - DiCB	22	23	4.5		0.04		0.20		0.00		0.00	
PCB-8	2,4' - DiCB	22	23	4.5		0.62		3.03		0.12		0.47	
PCB-9	2,5 - DiCB	22	23	4.5		0.00		0.46		0.00		0.00	
PCB-10	2,6 - DiCB	22	23	4.5		0.00		0.00		0.00		0.00	
PCB-11	3,3' - DiCB	22	23	4.5		0.46		2.10		0.16		0.45	
PCB-12/13	3,4 - DiCB	22	23	4.5		0.07		0.38		0.05		0.00	
PCB-14	3,5 - DiCB	22	23	4.5		0.00		0.00		0.00		0.00	
PCB-15	4,4' - DiCB	22	23	4.5		0.38		1.82		0.28		0.33	
PCB-16	2,2',3 - TriCB	22	23	4.5		0.96		4.81		0.34		0.73	
PCB-17	2,2',4 - TriCB	22	23	4.5		1.03		4.65		0.45		0.75	
PCB-18/30	2,2',5 - TriCB	22	23	4.5		1.66		7.89		0.78		1.11	
PCB-19	2,2',6 - TriCB	22	23	4.5		0.22		0.88		0.29		0.27	
PCB-20/28	2,3,3' - TriCB	22	23	4.5		2.86		14.62		2.17		2.08	
PCB-21/33	2,3,4 - TriCB	22	23	4.5		2.14		10.12		0.49		1.16	
PCB-22	2,3,4' - TriCB	22	23	4.5		1.29		7.48		0.93		1.03	
PCB-23	2,3,5 - TriCB	22	23	4.5		0.00		0.00		0.00		0.00	
PCB-24	2,3,6 - TriCB	22	23	4.5		0.05		0.00		0.00		0.03	
PCB-25	2,3',4 - TriCB	22	23	4.5		0.35		1.84		0.19		0.23	
PCB-26/29	2,3',5 - TriCB	22	23	4.5		0.74		3.84		0.40		0.49	
PCB-27	2,3',6 - TriCB	22	23	4.5		0.19		0.62		0.16		0.17	
PCB-31	2,4',5 - TriCB	22	23	4.5		3.50		15.68		2.05		2.17	
PCB-32	2,4',6 - TriCB	22	23	4.5		0.77		3.24		0.62		0.68	
PCB-34	2',3,5 - TriCB	22	23	4.5		0.00		0.00		0.02		0.00	
PCB-35	3,3',4 - TriCB	22	23	4.5		0.03		0.25		0.03		0.03	
PCB-36	3,3',5 - TriCB	22	23	4.5		0.00		0.00		0.01		0.00	
PCB-37	3,4,4' - TriCB	22	23	4.5		0.43		2.28		0.44		0.40	
PCB-38	3,4,5 - TriCB	22	23	4.5		0.00		0.00		0.01		0.01	
PCB-39	3,4',5 - TriCB	22	23	4.5		0.00		0.00		0.00		0.00	
PCB-40/41/71	2,2',3,3' - TeCB	22	23	4.5		1.15		6.27		1.17		1.00	
PCB-42	2,2',3,4' - TeCB	22	23	4.5		0.66		4.10		0.74		0.52	
PCB-43	2,2',3,5 - TeCB	22	23	4.5		0.10		0.52		0.10		0.08	
PCB-44/47/65	2,2',3,5' - TeCB	22	23	4.5		2.06		11.25		2.16		1.56	
PCB-45/51	2,2',3,6 - TeCB	22	23	4.5		0.61		3.53		0.53		0.47	
PCB-46	2,2',3,6' - TeCB	22	23	4.5		0.32		2.22		0.24		0.00	
PCB-48	2,2',4,5 - TeCB	22	23	4.5		1.05		5.70		0.92		0.77	
PCB-49/69	2,2',4,5' - TeCB	22	23	4.5		1.86		8.57		2.18		1.43	
PCB-50/53	2,2',4,6 - TeCB	22	23	4.5		0.53		3.02		0.60		0.44	
PCB-52	2,2',5,5' - TeCB	22	23	4.5		3.21		12.66		3.67		2.28	
PCB-54	2,2',6,6' - TeCB	22	23	4.5		0.00		0.00		0.02		0.02	
PCB-55	2,3,3',4 - TeCB	22	23	4.5		0.00		0.80		0.00		0.00	
PCB-56	2,3,3',4' - TeCB	22	23	4.5		0.40		3.33		1.24		0.58	
PCB-57	2,3,3',5 - TeCB	22	23	4.5		0.00		0.00		0.00		0.00	
PCB-58	2,3,3',5' - TeCB	22	23	4.5		0.00		0.00		0.00		0.00	
PCB-59/62/75	2,3,3',6 - TeCB	22	23	4.5		0.35		1.98		0.29		0.22	
PCB-60	2,3,4,4' - TeCB	22	23	4.5		0.24		1.87		0.65		0.27	
PCB-61/70/74/76	2,3,4,5 - TeCB	22	23	4.5		1.53		7.74		3.64		1.33	
PCB-63	2,3,4',5 - TeCB	22	23	4.5		0.01		0.00		0.09		0.02	
PCB-64	2,3,4',6 - TeCB	22	23	4.5		0.78		4.01		1.18		0.74	

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location						State Line	Barker Road	Plante's Ferry	Boulder Beach	Dam Forebay	Monroe Street	Riverside State Pk	
						AN-11LP-031218	AN-12LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-13LP-031218	AN-14LP-031217	
CLIENT ID		Time (days)		Days if 17th	Days if 18th	Ms	EAF*	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
Axys ID													
WORKGROUP													
UNITS	Name												
PCB-66	2,3',4,4' - TeCB	22	23	4.5		0.97		6.24	2.60	1.11	1.64	4.42	4.85
PCB-67	2,3',4,5 - TeCB	22	23	4.5		0.08		0.50	0.08	0.06	0.06	0.20	0.21
PCB-68	2,3',4,5' - TeCB	22	23	4.5		0.00		0.00	0.02	0.00	0.07	0.05	0.07
PCB-72	2,3',5,5' - TeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-73	2,3',5,6 - TeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-77	3,3',4,4' - TeCB	22	23	4.5		0.09		0.41	0.25	0.00	0.18	0.46	0.49
PCB-78	3,3',4,5 - TeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-79	3,3',4,5' - TeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.11
PCB-80	3,3',5,5' - TeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-81	3,4,4',5 - TeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-82	2,2',3,3',4 - PeCB	22	23	4.5		0.12		0.60	0.35	0.14	0.16	0.50	0.81
PCB-83/99	2,2',3,3',5 - PeCB	22	23	4.5		0.57		2.26	1.33	0.53	0.86	2.79	4.55
PCB-84	2,2',3,3',6 - PeCB	22	23	4.5		0.40		2.57	0.77	0.41	0.48	1.33	2.41
PCB-85/116/117	2,2',3,4,4' - PeCB	22	23	4.5		0.19		0.67	0.55	0.21	0.31	0.96	1.32
PCB-86/87/97/108/119/125	2,2',3,4,5 - PeCB	22	23	4.5		0.92		2.77	1.64	0.68	1.04	3.11	6.06
PCB-88/91	2,2',3,4,6 - PeCB	22	23	4.5		0.24		1.13	0.46	0.23	0.30	0.82	1.22
PCB-89	2,2',3,4,6' - PeCB	22	23	4.5		0.05		0.00	0.06	0.05	0.00	0.00	0.00
PCB-90/101/113	2,2',3,4',5 - PeCB	22	23	4.5		1.23		3.42	1.67	0.73	1.19	3.64	6.96
PCB-92	2,2',3,5,5' - PeCB	22	23	4.5		0.16		0.00	0.33	0.13	0.23	0.60	1.24
PCB-93/95/98/100/102	2,2',3,5,6 - PeCB	22	23	4.5		1.38		5.72	1.63	0.88	1.21	3.18	6.16
PCB-94	2,2',3,5,6' - PeCB	22	23	4.5		0.00		0.34	0.00	0.00	0.00	0.06	0.00
PCB-96	2,2',3,6,6' - PeCB	22	23	4.5		0.00		0.00	0.05	0.04	0.03	0.00	0.09
PCB-103	2,2',4,5,6 - PeCB	22	23	4.5		0.02		0.00	0.02	0.00	0.00	0.00	0.00
PCB-104	2,2',4,6,6' - PeCB	22	23	4.5		0.00		0.10	0.00	0.00	0.00	0.00	0.00
PCB-105	2,3,3',4,4' - PeCB	22	23	4.5		0.29		0.46	0.93	0.33	0.49	1.75	2.60
PCB-106	2,3,3',4,5 - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-107/124	2,3,3',4',5 - PeCB	22	23	4.5		0.06		0.49	0.11	0.06	0.06	0.21	0.26
PCB-109	2,3,3',4,6 - PeCB	22	23	4.5		0.00		0.00	0.16	0.00	0.11	0.26	0.39
PCB-110/115	2,3,3',4',6 - PeCB	22	23	4.5		1.14		3.18	2.11	0.84	1.38	4.51	7.27
PCB-111	2,3,3',5,5' - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-112	2,3,3',5,6 - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-114	2,3,4,4',5 - PeCB	22	23	4.5		0.00		0.00	0.07	0.00	0.00	0.15	0.00
PCB-118	2,3',4,4',5 - PeCB	22	23	4.5		0.77		0.53	1.54	0.56	0.96	3.23	5.16
PCB-120	2,3',4,5,5' - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-121	2,3',4,5',6 - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-122	2',3,3',4,5 - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-123	2',3,4,4',5 - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-126	3,3',4,4',5 - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-127	3,3',4,5,5' - PeCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-128/166	2,2',3,3',4,4' - HxCB	22	23	4.5		0.10		0.01	0.12	0.05	0.07	0.38	0.47
PCB-129/138/160/163	2,2',3,3',4,5 - HxCB	22	23	4.5		1.08		1.05	1.16	0.64	0.76	3.81	5.12
PCB-130	2,2',3,3',4,5' - HxCB	22	23	4.5		0.10		0.00	0.10	0.06	0.06	0.24	0.36
PCB-131	2,2',3,3',4,6 - HxCB	22	23	4.5		0.00		0.00	0.03	0.00	0.00	0.00	0.00
PCB-132	2,2',3,3',4,6' - HxCB	22	23	4.5		0.28		0.54	0.36	0.20	0.21	1.17	1.62
PCB-133	2,2',3,3',5,5' - HxCB	22	23	4.5		0.02		0.00	0.00	0.01	0.02	0.05	0.00
PCB-134/143	2,2',3,3',5,6 - HxCB	22	23	4.5		0.00		0.00	0.00	0.00	0.00	0.00	0.00
PCB-135/151/154	2,2',3,3',5,6' - HxCB	22	23	4.5		0.38		0.05	0.34	0.24	0.24	1.15	1.76
PCB-136	2,2',3,3',6,6' - HxCB	22	23	4.5		0.16		0.83	0.14	0.12	0.08	0.48	0.72
PCB-137	2,2',3,4,4',5 - HxCB	22	23	4.5		0.08		0.43	0.09	0.04	0.05	0.26	0.30
PCB-139/140	2,2',3,4,4',6 - HxCB	22	23	4.5		0.03		0.00	0.03	0.00	0.00	0.05	0.00
PCB-141	2,2',3,4,5,5' - HxCB	22	23	4.5		0.00		0.00	0.18	0.12</			

Table D-7
Blank Corrected December SPMD Data and Calculations

Sample Location					State Line		Barker Road		Plante's Ferry		Boulder Beach		Dam Forebay		Monroe Street		Riverside State Pk
CLIENT ID					AN-11LP-031218	AN-12LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-13LP-031218	AN-14LP-031217						
Axys ID																	
WORKGROUP					Time (days)				Time (days)				Time (days)				
UNITS					Name	Days if 17th	Days if 18th	Ms	EAF*	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
PCB-146	2,2',3,4',5,5' - HxCB	22	23	4.5	0.18	0.12	0.17	0.10	0.12	0.45	0.68						
PCB-147/149	2,2',3,4',5,6' - HxCB	22	23	4.5	0.82	0.05	0.67	0.45	0.37	2.61	3.56						
PCB-148	2,2',3,4',5,6' - HxCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.02						
PCB-150	2,2',3,4',6,6' - HxCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-152	2,2',3,5,6,6' - HxCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-153/168	2,2',4,4',5,5' - HxCB	22	23	4.5	1.14	0.00	1.30	0.69	0.74	4.10	6.61						
PCB-155	2,2',4,4',6,6' - HxCB	22	23	4.5	0.00	0.00	0.00	0.01	0.01	0.00	0.02						
PCB-156/157	2,3,3',4,4',5 - HxCB	22	23	4.5	0.00	0.00	0.14	0.08	0.08	0.43	0.75						
PCB-158	2,3,3',4,4',6 - HxCB	22	23	4.5	0.06	0.00	0.09	0.00	0.02	0.32	0.54						
PCB-159	2,3,3',4,5,5' - HxCB	22	23	4.5	0.01	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-161	2,3,3',4,5,6' - HxCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-162	2,3,3',4',5,5' - HxCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-164	2,3,3',4',5,6' - HxCB	22	23	4.5	0.07	0.00	0.08	0.04	0.00	0.23	0.31						
PCB-165	2,3,3',5,5',6 - HxCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-167	2,3',4,4',5,5' - HxCB	22	23	4.5	0.02	0.00	0.04	0.00	0.02	0.09	0.12						
PCB-169	3,3',4,4',5,5' - HxCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-170	2,2',3,3',4,4',5 - HpCB	22	23	4.5	0.04	0.00	0.15	0.06	0.01	0.40	0.73						
PCB-171/173	2,2',3,3',4,4',6 - HpCB	22	23	4.5	0.00	0.00	0.03	0.00	0.00	0.10	0.16						
PCB-172	2,2',3,3',4,5,5' - HpCB	22	23	4.5	0.00	0.73	0.13	0.11	0.00	0.36	0.48						
PCB-174	2,2',3,3',4,5,6' - HpCB	22	23	4.5	0.13	0.00	0.16	0.12	0.01	0.63	0.69						
PCB-175	2,2',3,3',4,5,6' - HpCB	22	23	4.5	0.00	0.39	0.00	0.00	0.00	0.00	0.00						
PCB-176	2,2',3,3',4,6,6' - HpCB	22	23	4.5	0.00	0.00	0.02	0.04	0.00	0.08	0.16						
PCB-177	2,2',3,3',4',5,6 - HpCB	22	23	4.5	0.14	0.16	0.00	0.12	0.05	0.38	0.44						
PCB-178	2,2',3,3',5,5',6 - HpCB	22	23	4.5	0.22	1.78	0.16	0.17	0.11	0.00	0.44						
PCB-179	2,2',3,3',5,6,6' - HpCB	22	23	4.5	0.09	0.00	0.12	0.10	0.00	0.32	0.55						
PCB-180/193	2,2',3,4,4',5,5' - HpCB	22	23	4.5	0.26	0.00	0.50	0.29	0.12	1.31	2.40						
PCB-181	2,2',3,4,4',5,6 - HpCB	22	23	4.5	0.00	0.00	0.00	0.01	0.00	0.00	0.02						
PCB-182	2,2',3,4,4',5,6' - HpCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-183/185	2,2',3,4,4',5,6 - HpCB	22	23	4.5	0.11	0.00	0.17	0.12	0.04	0.47	0.66						
PCB-184	2,2',3,4,4',6,6' - HpCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.01	0.00						
PCB-186	2,2',3,4,5,6,6' - HpCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-187	2,2',3,4',5,5',6 - HpCB	22	23	4.5	0.17	0.00	0.23	0.11	0.02	0.65	0.91						
PCB-188	2,2',3,4',5,6,6' - HpCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-189	2,3,3',4,4',5,5' - HpCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-190	2,3,3',4,4',5,6 - HpCB	22	23	4.5	0.11	0.73	0.08	0.00	0.05	0.23	0.28						
PCB-191	2,3,3',4,4',5,6 - HpCB	22	23	4.5	0.01	0.00	0.01	0.00	0.00	0.00	0.00						
PCB-192	2,3,3',4,5,5',6 - HpCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-194	2,2',3,3',4,4',5,5' - OcCB	22	23	4.5	0.11	0.09	0.00	0.11	0.04	0.14	0.83						
PCB-195	2,2',3,3',4,4',5,6 - OcCB	22	23	4.5	0.00	0.00	0.00	0.03	0.00	0.03	0.00						
PCB-196	2,2',3,3',4,4',5,6' - OcCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.21						
PCB-197/200	2,2',3,3',4,4',6,6' - OcCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-198/199	2,2',3,3',4,5,5',6 - OcCB	22	23	4.5	0.12	0.00	0.13	0.12	0.00	0.29	0.00						
PCB-201	2,2',3,3',4,5,6,6' - OcCB	22	23	4.5	0.00	0.00	0.01	0.00	0.00	0.00	0.04						
PCB-202	2,2',3,3',5,5',6,6' - OcCB	22	23	4.5	0.00	0.00	0.03	0.03	0.00	0.03	0.15						
PCB-203	2,2',3,4,4',5,5',6 - OcCB	22	23	4.5	0.05	0.00	0.07	0.03	0.00	0.00	0.39						
PCB-204	2,2',3,4,4',5,6,6' - OcCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PCB-205	2,3,3',4,4',5,5',6 - OcCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.01	0.00						
PCB-206	2,2',3,3',4,4',5,5',6 - NoCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						1.34
PCB-207	2,2',3,3',4,4',5,6,6' - NoCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
PCB-208	2,2',3,3',4,5,5',6,6' - NoCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
PCB-209	2,2',3,3',4,4',5,5',6,6' - DeCB	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
8L																	
SPMDs																	
Total Monochloro Biphenyls						0.05	0.00	0.05	0.07	0.05	0.06	0.12					

Table D-7
Blank Corrected December SPMD Data and Calculations

Table D-8
Performance Reference Compound Results and Calculations

Sample Location		Plante's Ferry	Boulder Beach	Dam Forebay	Barker Road	Stateline	Monroe St	Riverside	Day Zero
PCB Congener 8 - Labeled with C13									
8L - nominal recovery		86.40%	137.20%	86.00%	133.40%	128.20%	117.60%	107.80%	155.20%
8L - adj recovery		55.67%	88.40%	55.41%	85.95%	82.60%	75.77%	69.46%	
Ke PRC - adjusted		0.02662	0.00560	0.02683	0.00688	0.00831	0.01206	0.01657	
Ke PRC cal		0.0491	0.0491	0.0491	0.0491	0.0491	0.0491	0.0491	
EAF - Huckins		0.543	0.114	0.547	0.140	0.169	0.246	0.338	
PAHs log Kow		nominal % recovery							
4.38	Fluorene-d10	16	32	17	79	35	41	31	96
4.54	Anthracene-d10	50	62	45	102	71	80	71	104
5.3	Pyrene-d10	86	73	83	96	88	94	92	96
		Mass Rec (ug)							
Fluorene-d10		1.6	3.2	1.7	7.9	3.5	4.1	3.1	9.6
Anthracene-d10		5	6.2	4.5	10.2	7.1	8	7.1	10.4
Pyrene-d10		8.6	7.3	8.3	9.6	8.8	9.4	9.2	9.6
		actual percent recovery							
Fluorene-d10		16.7%	33.3%	17.7%	82.3%	36.5%	42.7%	32.3%	100.0%
Anthracene-d10		48.1%	59.6%	43.3%	98.1%	68.3%	76.9%	68.3%	100.0%
Pyrene-d10		89.6%	76.0%	86.5%	100.0%	91.7%	97.9%	95.8%	100.0%
Fluorene-d10	Ke PRC	0.08144	0.04994	0.07869	0.00886	0.04387	0.03699	0.05138	
Anthracene-d10	Ke PRC	0.03329	0.02351	0.03808	0.00088	0.01660	0.01141	0.01735	
Pyrene-d10	Ke PRC	0.00500	0.01245	0.00661	0.00000	0.00378	0.00092	0.00193	
Fluorene-d10	EAF	2.25	1.38	2.18	0.25	1.21	1.02	1.42	
Anthracene-d10	EAF	2.94	2.07	3.36	0.08	1.46	1.01	1.53	
Pyrene-d10	EAF	0.48	1.20	0.64	0.00	0.36	0.09	0.19	
Average EAF (all PAH)		1.89	1.55	2.06	0.11	1.01	0.71	1.05	

Note: All abbreviations and calculations are defined in the text at the beginning of this appendix.

Constants			
Kspmd	58000		PCB-8
Ke PRC cal	0.0491		From USGS / Huckins Spreadsheet
PAH Constants			
	SPMD K1 L/g·d	Kspmd	Ke PRC cal
Fluorene-d10	0.56	15500	0.0361
Anthracene-d10	0.53	46773	0.0113
Pyrene-d10	0.83	80000	0.0104
PAH Constants			
	SPMD K1 L/g·d	Kspmd	Ke PRC cal
Fluorene-d10	0.56	15500	0.0361
Anthracene-d10	0.53	46773	0.0113
Pyrene-d10	0.83	80000	0.0104

Table D-9
December SPMD PCB Results - Qualified Per EPA Region X Guidelines

SPMDs*	State Line pg/L	Barker Road pg/L	Plante's Ferry pg/L	Boulder Beach pg/L	Dam Forebay pg/L	Monroe St. pg/L	Riverside pg/L
Total Monochloro Biphenyls	0.05	0.00	0.03	0.04	0.03	0.00	0.06
Total Dichloro Biphenyls	0.00	0.00	0.00	0.00	0.00	0.06	0.04
Total Trichloro Biphenyls	0.00	0.00	0.02	0.01	0.02	0.00	0.00
Total Tetrachloro Biphenyls	0.00	0.80	0.04	0.02	0.07	0.23	0.26
Total Pentachloro Biphenyls	0.11	0.93	0.48	0.15	0.22	0.42	30.90
Total Hexachloro Biphenyls	0.00	0.04	0.14	0.01	0.01	0.32	0.78
Total Heptachloro Biphenyls	0.33	2.89	0.25	0.18	0.17	0.24	1.33
Total Octachloro Biphenyls	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Total Nonachloro Biphenyls	0.00	0.00	0.00	0.00	0.00	0.00	1.34
Decachloro Biphenyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL PCBs	0.49	4.66	0.95	0.39	0.53	1.27	34.71
Sum of Penta & Greater	0.45	3.87	0.86	0.33	0.41	0.98	34.34

Table D-10
EPA-Qualified December SPMD Data and Calculations

Sample Location	Name	State Line	State Line	Barker Road	Barker Road	Plante's Ferry	Plante's Ferry	Boulder Beach	Boulder Beach	Dam Forebay	Dam Forebay	Monroe Street	Monroe Street	Riverside State Pk	Riverside State Pk	
CLIENT ID		AN-11LP-031218	AN-11LP-031218	AN-12LP A-031217	AN-12LP A-031217	AN-01LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-13LP-031218	AN-13LP-031218	AN-14LP-031217	AN-14LP-031217	
Axys ID		L6425-10		L6425-11		L6425-4		L6425-6		L6425-8		L6425-13		L6425-14		
WORKGROUP		WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	
UNITS		pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	
PCB-1	2 - MoCB	17.5	UB	17	UB	13.3	UB	19.4	UB	13	UB	K19.2	U	16.2	UB	21.1
PCB-2	3 - MoCB	7.22	7.22	K4.62	U	7.21	7.21	7.72	7.72	9.64	9.64	K7.93	U	9.38	9.38	K3.72
PCB-3	4 - MoCB	K18.4	U	13.3	UB	18.1	UB	19.3	UB	17.9	UB	19.6	UB	21.5	UB	15.1
PCB-4	2,2' - DiCB	86.3	UB	71.9	UB	78.8	UB	98.1	UB	70.5	UB	96.6	UB	94.3	UB	80
PCB-5	2,3 - DiCB	K7.64	U	K4.80	U	K5.01	U	K7.69	U	K5.20	U	5.79	5.79	5.66	5.66	K6.75
PCB-6	2,3' - DiCB	58.6	UB	51.8	UB	59.7	UB	65.4	UB	54.6	UB	69.7	UB	63.7	UB	43.4
PCB-7	2,4 - DiCB	13.6	UB	11.2	UB	K9.55	U	K14.5	U	11.3	UB	13.5	UB	14.1	UB	K11.3
PCB-8	2,4' - DiCB	280	UB	234	UB	220	UB	291	UB	216	UB	289	UB	288	UB	207
PCB-9	2,5 - DiCB	K20.9	U	18.2	UB	K14.7	U	K18.4	U	14.3	UB	21.7	UB	K22.2	U	K16.6
PCB-10	2,6 - DiCB	K5.22	U	K4.67	U	K4.86	U	K5.84	U	K4.11	U	K3.96	U	6.09	UB	K4.60
PCB-11	3,3' - DiCB	143	UB	106	UB	116	UB	172	UB	245	UB	297	UB	382	UB	85.8
PCB-12/13	3,4 - DiCB	22.5	UB	17.4	UB	23.9	UB	K23.6	U	22.5	UB	26.9	UB	24.5	UB	K16.4
PCB-14	3,5 - DiCB	<4.53	U	<1.71	U	<2.28	U	<3.35	U	<2.41	U	<2.96	U	<2.90	U	<3.79
PCB-15	4,4' - DiCB	139	UB	110	UB	158	UB	154	UB	149	UB	166	UB	189	UB	95.5
PCB-16	2,2',3 - TriCB	169	UB	132	UB	141	UB	177	UB	144	UB	185	UB	212	UB	108
PCB-17	2,2',4 - TriCB	199	UB	155	UB	181	UB	204	UB	188	UB	228	UB	269	UB	130
PCB-18/30	2,2',5 - TriCB	381	UB	289	UB	352	UB	377	UB	364	UB	431	UB	545	UB	233
PCB-19	2,2',6 - TriCB	36.4	UB	28.1	UB	54	UB	46.8	UB	45.4	UB	49.8	UB	51.4	UB	26.8
PCB-20/28	2,3,3' - TriCB	641	UB	506	UB	740	UB	659	UB	690	UB	794	UB	912	UB	424
PCB-21/33	2,3,4 - TriCB	369	UB	282	UB	270	UB	335	UB	259	UB	408	UB	426	UB	235
PCB-22	2,3,4' - TriCB	205	UB	170	UB	230	UB	220	UB	200	UB	246	UB	279	UB	139
PCB-23	2,3,5 - TriCB	K2.07	U	<0.512	U	K1.79	U	K1.57	U	2.41	2.41	<1.35	U	<0.621	U	K1.29
PCB-24	2,3,6 - TriCB	7.84	UB	K4.17	U	K6.48	U	7.42	UB	6.3	UB	9.93	UB	8.91	UB	3.82
PCB-25	2,3',4 - TriCB	48.5	UB	38	UB	47.6	UB	48	UB	48.2	UB	57.7	UB	66.9	UB	28.7
PCB-26/29	2,3',5 - TriCB	111	UB	88	UB	110	UB	110	UB	109	UB	144	UB	168	UB	68.5
PCB-27	2,3',6 - TriCB	32	UB	21.7	UB	39.1	UB	36.2	UB	38.7	UB	37.8	UB	45.2	UB	20.3
PCB-31	2,4',5 - TriCB	591	UB	435	UB	603	UB	564	UB	581	UB	656	UB	841	UB	357
PCB-32	2,4',6 - TriCB	130	UB	95.4	UB	156	UB	147	UB	157	UB	146	UB	186	UB	83.5
PCB-34	2',3,5 - TriCB	K3.07	U	<0.514	U	4.2	UB	K3.06	U	3.06	UB	<1.36	U	<0.623	U	1.94
PCB-35	3,3',4 - TriCB	7.78	UB	7.07	UB	9.4	UB	8.46	UB	9.28	UB	10.4	UB	20.8	UB	6.65
PCB-36	3,3',5 - TriCB	<0.800	U	K0.604	U	0.926	0.926	<0.688	U	K1.06	U	<1.24	U	K5.15	U	<0.524
PCB-37	3,4,4' - TriCB	101	UB	85.2	UB	128	UB	113	UB	112	UB	125	UB	152	UB	84.2
PCB-38	3,4,5 - TriCB	K0.892	U	K0.522	U	1.44	1.44	0.725	0.725	K1.83	U	<1.28	U	<0.587	U	<0.543
PCB-39	3,4',5 - TriCB	<0.786	U	<0.463	U	<0.276	U	<0.676	U	<0.231	U	<1.22	U	<0.561	U	<0.515
PCB-40/41/71	2,2',3,3' - TeCB	192	UB	154	UB	262	UB	216	UB	229	UB	236	UB	339	UB	136
PCB-42	2,2',3,4' - TeCB	99.2	UB	81.7	UB	147	UB	107	UB	125	UB	121	UB	169	UB	66.5
PCB-43	2,2',3,5 - TeCB	17.7	UB	14.2	UB	23.3	UB	18.5	UB	21.9	UB	22.1	UB	32.3	UB	12.6
PCB-44/47/65	2,2',3,5' - TeCB	349	UB	269	UB	506	UB	369	UB	484	UB	423	UB	680	UB	209
PCB-45/51	2,2',3,6 - TeCB	84.8	UB	66.1	UB	109	UB	90.4	UB	113	UB	94.1	UB	136	UB	48.6
PCB-46	2,2',3,6' - TeCB	26.3	UB	21.5	UB	32.3	UB	K28.2	U	31.1	UB	30.4	UB	39.4	UB	K15.0
PCB-48	2,2',4,5 - TeCB	92.7	UB	73.5	UB	117	UB	95.7	UB	103	UB	105	UB	159	UB	64.2
PCB-49/69	2,2',4,5' - TeCB	226	UB	165	UB	352	UB	241	UB	319	UB	270	UB	437	UB	144
PCB-50/53	2,2',4,6 - TeCB	55.5	UB	43.2	UB	86.4	UB	62.1	UB	85.1	UB	69	UB	103	UB	31.9
PCB-52	2,2',5,5' - TeCB	413	UB	274	UB	654	UB	422	UB	598	UB	487				

Table D-10
EPA-Qualified December SPMD Data and Calculations

Sample Location	Name	State Line	State Line	Barker Road	Barker Road	Plante's Ferry	Plante's Ferry	Boulder Beach	Boulder Beach	Dam Forebay	Dam Forebay	Monroe Street	Monroe Street	Riverside State Pk	Riverside State Pk	
CLIENT ID		AN-11LP-031218	AN-11LP-031218	AN-12LP A-031217	AN-12LP A-031217	AN-01LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-13LP-031218	AN-13LP-031218	AN-14LP-031217	AN-14LP-031217	
Axys ID		L6425-10		L6425-11		L6425-4		L6425-6		L6425-8		L6425-13		L6425-14		
WORKGROUP		WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	
UNITS		pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	
PCB-82	2,2',3,3',4 - PeCB	15.2	UB	12	UB	40.7	UB	19.5	UB	24.8	UB	26.8	UB	50.1	UB	12.2
PCB-83/99	2,2',3,3',5 - PeCB	78.3	UB	60.2	UB	175	UB	89.7	UB	137	UB	152	UB	289	UB	60.4
PCB-84	2,2',3,3',6 - PeCB	41.1	UB	34.1	UB	91.2	UB	51.7	UB	68.7	UB	68.2	UB	143	UB	25.4
PCB-85/116/117	2,2',3,4,4' - PeCB	25.7	UB	18.6	UB	70	UB	31.7	UB	49	UB	52.4	UB	87.5	UB	19.3
PCB-86/87/97/108/119/125	2,2',3,4,5 - PeCB	105	UB	69.7	UB	215	UB	109	UB	165	UB	173	UB	382	UB	68.4
PCB-88/91	2,2',3,4,6 - PeCB	24.2	UB	17.9	UB	54	UB	29	UB	41.5	UB	41.2	UB	74	UB	14.7
PCB-89	2,2',3,4,6' - PeCB	2.56	2.56	K2.63	U	6.21	6.21	3.59	3.59	K4.46	U	K4.36	U	K7.26	U	K2.62
PCB-90/101/113	2,2',3,4,5 - PeCB	198	UB	134	UB	324	UB	186	UB	276	UB	292	UB	606	UB	148
PCB-92	2,2',3,5,5' - PeCB	33.3	UB	22.9	UB	59.7	UB	34.8	UB	50.6	UB	49	UB	98.7	UB	23.3
PCB-93/95/98/100/102	2,2',3,5,6 - PeCB	179	UB	121	UB	289	UB	172	UB	249	UB	239	UB	519	519	102
PCB-94	2,2',3,5,6' - PeCB	<1.30	U	1.85	1.85	K2.89	U	<1.53	U	K2.16	U	2.2	2.2	K4.01	U	<1.31
PCB-96	2,2',3,6,6' - PeCB	K2.01	U	K1.83	U	4.48	4.48	3.26	3.26	3.21	3.21	K2.34	U	4.78	4.78	K0.769
PCB-103	2,2',4,5,6 - PeCB	2.26	UB	1.29	UB	2.91	UB	<1.31	U	K2.32	U	K2.41	U	K3.95	U	1.4
PCB-104	2,2',4,6,6' - PeCB	<0.524	U	0.526	0.526	<0.352	U	<0.614	U	K0.404	U	<0.428	U	<0.476	U	K0.634
PCB-105	2,3,3',4,4' - PeCB	34.7	UB	23.5	UB	98.9	UB	43.8	UB	66.1	UB	78.1	UB	141	141	26.9
PCB-106	2,3,3',4,5 - PeCB	<1.64	U	<0.920	U	<1.74	U	<1.52	U	<1.59	U	<2.52	U	<2.14	U	<1.07
PCB-107/124	2,3,3',4,5 - PeCB	3.92	3.92	3.08	3.08	11.8	11.8	5.49	5.49	7.13	7.13	9.03	9.03	16.1	16.1	K3.51
PCB-109	2,3,3',4,6 - PeCB	K7.03	U	K4.34	U	17.9	17.9	K7.56	U	13.9	13.9	12.5	UB	23.2	K4.43	
PCB-110/115	2,3,3',4,6 - PeCB	152	UB	97.6	UB	326	UB	158	UB	254	UB	285	UB	553	553	95
PCB-111	2,3,3',5,5' - PeCB	<0.878	U	<0.711	U	<0.702	U	<1.03	U	<1.03	U	<0.571	U	<0.842	U	<0.888
PCB-112	2,3,3',5,6 - PeCB	<0.933	U	<0.719	U	<0.746	U	<1.10	U	<1.09	U	<0.577	U	<0.851	U	<0.943
PCB-114	2,3,4,4',5 - PeCB	K3.21	U	K2.49	U	6.57	6.57	K3.73	U	K5.56	U	5.48	5.48	K9.65	U	K3.08
PCB-118	2,3',4,4',5 - PeCB	101	UB	61	UB	212	UB	104	UB	162	UB	184	UB	343	UB	73.7
PCB-120	2,3',4,5,5' - PeCB	<0.851	U	<0.688	U	<0.680	U	<1.00	U	<0.996	U	<0.553	U	<0.815	U	<0.860
PCB-121	2,3',4,5,6 - PeCB	<0.906	U	<0.730	U	<0.724	U	<1.07	U	<1.06	U	<0.586	U	<0.864	U	<0.915
PCB-122	2',3,3',4,5 - PeCB	<1.82	U	K1.45	U	K3.90	U	<1.69	U	K1.98	U	<2.67	U	K4.90	U	<1.19
PCB-123	2',3,4,4',5 - PeCB	K3.61	U	K3.37	U	K10.6	U	K4.59	U	K7.41	U	K7.12	U	K23.0	U	K2.13
PCB-126	3,3',4,4',5 - PeCB	<2.09	U	<0.975	U	<2.00	U	<1.79	U	<1.96	U	<2.70	U	<2.47	U	K1.38
PCB-127	3,3',4,5,5' - PeCB	<1.65	U	<0.873	U	<1.75	U	<1.53	U	<1.60	U	<2.39	U	<2.03	U	<1.08
PCB-128/166	2,2',3,3',4,4' - HxCB	11.6	UB	6.6	UB	17.4	UB	10.2	UB	13.6	UB	20	UB	30.2	UB	6.54
PCB-129/138/160/163	2,2',3,3',4,5 - HxCB	114	UB	66.7	UB	162	UB	107	UB	133	UB	190	UB	306	UB	80.4
PCB-130	2,2',3,3',4,5' - HxCB	7.04	UB	K3.62	U	10.5	UB	6.55	UB	7.87	UB	10.1	UB	18.9	18.9	K4.35
PCB-131	2,2',3,3',4,6 - HxCB	<1.01	U	<0.696	U	3	3	<1.25	U	K1.90	U	K2.37	U	<1.03	U	<1.11
PCB-132	2,2',3,3',4,6' - HxCB	37.2	UB	26.4	UB	55	UB	38.2	UB	43.5	UB	63.6	UB	102	UB	31.5
PCB-133	2,2',3,3',5,5' - HxCB	2.48	UB	K1.50	U	K2.86	U	2.3	UB	3.16	UB	3.12	UB	K5.63	U	1.46
PCB-134/143	2,2',3,3',5,6 - HxCB	<0.998	U	<0.696	U	<1.39	U	<1.24	U	<0.896	U	<0.849	U	<1.04	U	<1.10
PCB-135/151/154	2,2',3,3',5,6' - HxCB	76.6	UB	53.7	UB	91	UB	74.7	UB	82.6	UB	103	UB	161	UB	79.2
PCB-136	2,2',3,3',6,6' - HxCB	27.6	UB	22.7	UB	32.5	UB	28.6	UB	27.6	UB	38.1	UB	61.3	UB	24.9
PCB-137	2,2',3,4,4',5 - HxCB	4.53	UB	3.25	UB	7.64	7.64	3.64	UB	5.31	UB	8.86	8.86	13.4	13.4	K3.21
PCB-139/140	2,2',3,4,4',6 - HxCB	2.35	UB	K1.62	U	3.89	UB	<1.10	U	K2.72	U	2.78	UB	K5.4		

Table D-10
EPA-Qualified December SPMD Data and Calculations

Sample Location	State Line	State Line	State Line	Barker Road	Barker Road	Plante's Ferry	Plante's Ferry	Boulder Beach	Boulder Beach	Dam Forebay	Dam Forebay	Monroe Street	Monroe Street	Riverside State Pk	Riverside State Pk
CLIENT ID		AN-11LP-031218	AN-11LP-031218	AN-12LP A-031217	AN-12LP A-031217	AN-01LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-03LP A-031217	AN-13LP-031218	AN-13LP-031218	AN-14LP-031217	AN-14LP-031217
Axys ID	L6425-10		L6425-11		L6425-4		L6425-6		L6425-8		L6425-13		L6425-14		L6425-1
WORKGROUP	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043	EPA Qualified	WG11043
UNITS	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample	pg/sample
PCB-148	2,2',3,4',5,6' - HxCB	<0.428	U	<0.262	U	<0.630	U	<0.243	U	K0.205	U	K0.348	U	0.752	0.752 <0.596
PCB-150	2,2',3,4',6,6' - HxCB	<0.322	U	<0.194	U	<0.475	U	<0.183	U	<0.0288	U	<0.0357	U	K0.453	U <0.449
PCB-152	2,2',3,5,6,6' - HxCB	<0.318	U	<0.190	U	<0.469	U	<0.181	U	K0.090	U	<0.0349	U	<0.0446	U <0.444
PCB-153/168	2,2',4,4',5,5' - HxCB	130	UB	78.9	UB	174	UB	125	UB	141	UB	194	UB	331	UB 125
PCB-155	2,2',4,4',6,6' - HxCB	<0.250	U	K0.554	U	<0.375	U	0.369	0.369	0.57	0.57	K0.249	U	1.09	1.09 <0.334
PCB-156/157	2,3,3',4,4',5 - HxCB	K13.1	U	7.86	UB	17.4	UB	13.2	UB	14.4	UB	18.8	UB	32.1	UB 12.8
PCB-158	2,3,3',4,4',6 - HxCB	11.5	UB	7.29	UB	15.5	UB	K9.18	U	10.7	UB	18.3	UB	31.1	UB 9.22
PCB-159	2,3,3',4,5,5' - HxCB	1.86	UB	K1.73	U	K2.22	U	K2.19	U	K1.24	U	K1.96	U	K6.61	U 1.64
PCB-161	2,3,3',4,5,6 - HxCB	<0.684	U	<0.474	U	<0.950	U	<0.849	U	<0.614	U	<0.578	U	<0.705	U <0.754
PCB-162	2,3,3',4,5,5' - HxCB	<0.640	U	<0.459	U	<0.890	U	<0.796	U	<0.575	U	K0.611	U	K0.688	U <0.706
PCB-164	2,3,3',4,5,6 - HxCB	8.26	UB	4.58	UB	11.5	UB	7.61	UB	K9.71	U	12.3	UB	19.8	UB 6.39
PCB-165	2,3,3',5,5,6 - HxCB	<0.746	U	<0.530	U	<1.04	U	<0.927	U	<0.670	U	<0.646	U	<0.788	U <0.823
PCB-167	2,3,4,4',5,5' - HxCB	4.62	UB	3.47	UB	7.39	UB	K5.12	U	5.7	UB	7	UB	9.76	UB 5.09
PCB-169	3,3',4,4',5,5' - HxCB	<0.788	U	<0.472	U	<0.885	U	<0.813	U	<0.781	U	<0.607	U	<1.23	U <0.747
PCB-170	2,2',3,3',4,4',5 - HpCB	13.1	UB	8.33	UB	19.9	UB	14.5	UB	12.4	UB	20.3	UB	33.6	UB 11.8
PCB-171/173	2,2',3,3',4,4',6 - HpCB	5.64	UB	K4.82	U	7.31	UB	5.85	UB	5.18	UB	7.86	UB	10.7	UB 5.78
PCB-172	2,2',3,3',4,5,5' - HpCB	K3.24	U	2.76	UB	5.23	UB	4.15	UB	K3.60	U	5.48	UB	8.79	8.79 K3.56
PCB-174	2,2',3,3',4,5,6' - HpCB	25.9	UB	20.5	UB	31.7	UB	27.6	UB	21.6	UB	36.9	UB	45.6	UB 28
PCB-175	2,2',3,3',4,5,6 - HpCB	K1.70	U	1.2	1.2	K1.51	U	K1.32	U	K1.22	U	K2.06	U	K3.11	U K1.97
PCB-176	2,2',3,3',4,6,6' - HpCB	5.53	UB	K6.08	U	6.45	UB	7.23	UB	K4.76	U	7.17	UB	9.78	UB 7.43
PCB-177	2,2',3,3',4,5,6 - HpCB	14.8	UB	11.1	UB	K18.2	U	15.8	UB	13.5	UB	18.7	UB	23.8	UB 14
PCB-178	2,2',3,3',5,5,6 - HpCB	8.06	8.06	6.53	6.53	10.2	10.2	9.12	9.12	8.01	8.01	K10.1	U	15.6	15.6 K8.70
PCB-179	2,2',3,3',5,6,6' - HpCB	21.6	UB	18.9	UB	24.6	UB	23.1	UB	18.4	UB	24.9	UB	33.1	UB 27.6
PCB-180/193	2,2',3,4,4',5,5' - HpCB	41	UB	30	UB	60.3	UB	46.1	UB	40.2	UB	61	UB	105	UB 42.6
PCB-181	2,2',3,4,4,5,6 - HpCB	<0.0398	U	<0.0414	U	K0.392	U	0.238	0.238	K0.204	U	K0.621	U	0.65	0.65 K2.06
PCB-182	2,2',3,4,4',5,6' - HpCB	K0.130	U	K0.259	U	0.166	0.166	K0.428	U	K0.173	U	K0.573	U	<0.0415	U <0.0379
PCB-183/185	2,2',3,4,4',5,6' - HpCB	21.6	UB	17.8	UB	27.7	UB	23.6	UB	20.4	UB	28.1	UB	37.9	UB 24.6
PCB-184	2,2',3,4,4',6,6' - HpCB	<0.0313	U	K0.397	U	K0.255	U	K0.161	U	<0.0261	U	0.263	0.263	K1.11	U K0.338
PCB-186	2,2',3,4,5,5,6' - HpCB	<0.0336	U	K0.072	U	K0.045	U	K0.047	U	<0.0281	U	K0.137	U	K0.049	U <0.0335
PCB-187	2,2',3,4,5,5,6 - HpCB	42.5	UB	33.9	UB	52.6	UB	42.2	UB	37.3	UB	54	UB	72.2	UB 47.2
PCB-188	2,2',3,4,5,5,6' - HpCB	K0.109	U	K0.392	U	K0.192	U	<0.0315	U	0.178	0.178	K0.257	U	K0.160	U K0.244
PCB-189	2,3,3',4,4',5,5' - HpCB	K1.25	U	K1.06	U	K1.41	U	K1.56	U	K1.41	U	K1.09	U	K3.53	U K2.17
PCB-190	2,3,3',4,4',5,6 - HpCB	3.37	3.37	2.24	2.24	4.59	4.59	K3.47	U	3.19	3.19	4.79	4.79	8.35	8.35 K2.21
PCB-191	2,3,3',4,4',5,6 - HpCB	0.778	UB	K0.529	U	1.11	UB	K0.666	U	K0.857	U	K1.12	U	K1.51	U <0.0330
PCB-192	2,3,3',4,5,5,6 - HpCB	<0.0355	U	<0.0360	U	<0.0393	U	K0.063	U	K0.049	U	K0.056	U	K0.057	U K0.058
PCB-194	2,2',3,3',4,4',5,5' - OcCB	5.58	UB	4.08	UB	K9.86	U	6.29	UB	5.17	UB	5.41	UB	16.3	UB 4.47
PCB-195	2,2',3,3',4,4',5,6 - OcCB	K2.79	U	1.55	UB	K3.51	U	2.71	UB	2.09	UB	2.41	UB	K4.63	U 1.99
PCB-196	2,2',3,3',4,4',5,6 - OcCB	K3.86	U	K2.93	U	K5.35	U	K4.58	U	K3.39	U	K4.70	U	6.39	UB K3.74
PCB-197/200	2,2',3,3',4,4',6,6' - OcCB	K2.23	U	K2.87	U	K2.93	U	2.48	UB	K1.41	U	0.62	UB	K3.38	U 3.29
PCB-198/199	2,2',3,3',4,5,5,6 - OcCB	11.8	UB	7.58	UB	14.1	UB	13.1	UB	9.					

Table D-10
EPA-Qualified December SPMD Data and Calculations

Sample Location	Name	Day Zero-031217	LAB BLANK	SPIKED MATRIX			IUPAC NO.	Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	Time (days)	State Line	Barker Road	Plante's Ferry	Boulder Beach	Dam Forebay	Monroe Street	Riverside State Pk		
CLIENT ID				L6425-15	WG11043-101	WG11043-102												
Axys ID				WG11043	WG11043	5x Max Blank												
WORKGROUP				pg/sample	pg/sample	pg/sample												
UNITS				% REC	Rs	Days if 17th	Days if 18th	Ms	EAF*	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	
PCB-1	2 - MoCB	14.8	K0.779	105.5	98.3	1	12.8	22	23	4.5	1.01	0.00	###	0.00	###	0.00	###	0.00
PCB-2	3 - MoCB	K2.26	K0.541	0		2	12.8	22	23	4.5		0.05		0.00		0.03		0.04
PCB-3	4 - MoCB	11.4	K2.03	75.5	92.7	3	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-4	2,2' - DiCB	57.7	<2.53	400	102	4	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-5	2,3' - DiCB	K3.72	<1.94	0		5	12.8	22	23	4.5		0.00		0.00		0.00		0.06
PCB-6	2,3' - DiCB	34.6	<1.83	217		6	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-7	2,4 - DiCB	8.23	<1.81	41.15		7	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-8	2,4' - DiCB	169	<1.73	1035		8	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-9	2,5 - DiCB	11.2	<1.80	56		9	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-10	2,6 - DiCB	2.9	<1.89	14.5		10	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-11	3,3' - DiCB	62.4	1.89	429		11	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-12/13	3,4 - DiCB	11.6	<1.84	58		12	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-14	3,5 - DiCB	<1.90	<1.84	0		14	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-15	4,4' - DiCB	69.2	<2.17	477.5	98.6	15	12.8	22	23	4.5		0.00		0.00		0.00		0.00
PCB-16	2,2',3 - TriCB	79.4	K0.786	540		16	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-17	2,2',4 - TriCB	106	0.718	650		17	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-18/30	2,2',5 - TriCB	173	1.74	1165		18	9.2	22	23	4.5		0.00		0.00		0.00		0.00
PCB-19	2,2',6 - TriCB	18.3	0.682	134	97.6	19	5.3	22	23	4.5		0.00		0.00		0.00		0.00
PCB-20/28	2,3,3' - TriCB	297	K1.34	2120		20	8.4	22	23	4.5		0.00		0.00		0.00		0.00
PCB-21/33	2,3,4 - TriCB	168	0.958	1175		21	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-22	2,3,4' - TriCB	100	K0.456	695		22	5.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-23	2,3,5 - TriCB	<0.321	K0.247	0		23	6.7	22	23	4.5		0.00		0.00		0.00	0.02	0.00
PCB-24	2,3,6 - TriCB	K3.12	<0.0891	19.1		24	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-25	2,3',4 - TriCB	22.4	K0.107	143.5		25	5.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-26/29	2,3',5 - TriCB	55.7	0.272	342.5		26	5.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-27	2,3',6 - TriCB	13.2	0.094	101.5		27	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-31	2,4',5 - TriCB	253	1.38	1785		31	7.0	22	23	4.5		0.00		0.00		0.00		0.00
PCB-32	2,4',6 - TriCB	55.7	K0.479	417.5		32	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-34	2',3,5 - TriCB	<0.322	0.327	9.7		34	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-35	3,3',4 - TriCB	3.51	<0.0870	33.25		35	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-36	3,3',5 - TriCB	<0.293	<0.0791	0		36	6.7	22	23	4.5		0.00		0.01		0.00		0.00
PCB-37	3,4,4' - TriCB	50	K0.673	421	97.3	37	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-38	3,4,5 - TriCB	<0.304	<0.0820	0		38	6.7	22	23	4.5		0.00		0.01		0.01		0.00
PCB-39	3,4',5 - TriCB	<0.290	K0.083	0		39	6.7	22	23	4.5		0.00		0.00		0.00		0.00
PCB-40/41/71	2,2',3,3' - TeCB	76.9	<0.347	680		40	6.4	22	23	4.5		0.00		0.00		0.00		0.00
PCB-42	2,2',3,4' - TeCB	36.7	<0.378	332.5		42	6.2	22	23	4.5		0.00		0.00		0.00		0.00
PCB-43	2,2',3,5 - TeCB	8.18	<0.405	63		43	6.2	22	23	4.5		0.00		0.00		0.00		0.00
PCB-44/47/65	2,2',3,5' - TeCB	129	1.35	1045		44	7.5	22	23	4.5		0.00		0.00		0.00		0.00
PCB-45/51	2,2',3,6 - TeCB	30.5	<0.354	243		45	6.4	22	23	4.5		0.00		0.00		0.00		0.00
PCB-46	2,2',3,6' - TeCB	9.94	<0.418	49.7		46	4.4	22	23	4.5		0.00		0.00		0.00		0.00
PCB-48	2,2',4,5 - TeCB	35.5	K0.415	321		48	3.5	22	23	4.5		0.00		0.00		0.00		0.00
PCB-49/69	2,2',4,5' - TeCB	78.4	0.817	720		49	5.3	22	23	4.5		0.00		0.00		0.00</td		

Table D-10
EPA-Qualified December SPMD Data and Calculations

Sample Location		Name	Day Zero-031217	LAB BLANK	SPIKED MATRIX		IUPAC NO.	Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	Time (days)	State Line	Barker Road	Plante's Ferry	Boulder Beach	Dam Forebay	Monroe Street	Riverside State Pk		
					L6425-15	WG11043-101												
					WG11043	WG11043												
					pg/sample	pg/sample												
PCB-82		2,2',3,3',4 - PeCB		5.5	<0.534	61		82	4.4	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-83/99		2,2',3,3',5 - PeCB		35.4	K0.875	302		83	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-84		2,2',3,3',6 - PeCB		16	<0.551	127		84	4.4	22	23	4.5	0.00	0.00	0.00	0.00	0.00	2.82
PCB-85/116/117		2,2',3,4,4' - PeCB		10.3	<0.403	96.5		85	4.8	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-86/87/97/108/119/125		2,2',3,4,5 - PeCB		40.2	<0.418	342		86	4.7	22	23	4.5	0.00	0.00	0.00	0.00	0.00	7.06
PCB-88/91		2,2',3,4,6 - PeCB		9.31	<0.484	73.5		88	4.4	22	23	4.5	0.00	0.00	0.00	0.00	0.00	1.46
PCB-89		2,2',3,4,6' - PeCB		<1.35	<0.518	0		89	4.6	22	23	4.5	0.05	0.00	0.06	0.05	0.00	0.00
PCB-90/101/113		2,2',3,4,5' - PeCB		69.8	K0.624	740		90	6.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-92		2,2',3,5,5' - PeCB		K10.7	<0.493	116.5		92	5.3	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-93/95/98/100/102		2,2',3,5,6 - PeCB		56	K0.543	510		93	6.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00	7.27
PCB-94		2,2',3,5,6' - PeCB		<1.38	<0.524	0		94	4.6	22	23	4.5	0.00	0.34	0.00	0.00	0.00	0.00
PCB-96		2,2',3,6,6' - PeCB		K0.616	<0.286	0		96	4.6	22	23	4.5	0.00	0.00	0.05	0.04	0.03	0.00
PCB-103		2,2',4,5,6 - PeCB		<1.21	<0.448	7		103	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-104		2,2',4,6,6' - PeCB		<0.576	<0.251	0	98.8	104	4.6	22	23	4.5	0.00	0.10	0.00	0.00	0.00	0.00
PCB-105		2,3,3',4,4' - PeCB		15.7	K3.40	134.5	103	105	4.0	22	23	4.5	0.00	0.00	0.00	0.00	0.00	3.06
PCB-106		2,3,3',4,5 - PeCB		K1.01	<0.439	0		106	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-107/124		2,3,3',4,5' - PeCB		K1.95	<0.468	0		107	5.3	22	23	4.5	0.06	0.49	0.11	0.06	0.06	0.21
PCB-109		2,3,3',4,6 - PeCB		2.6	<0.427	13		109	4.6	22	23	4.5	0.00	0.00	0.19	0.00	0.13	0.44
PCB-110/115		2,3,3',4,6' - PeCB		57.2	K0.689	475		110	5.7	22	23	4.5	0.00	0.00	0.00	0.00	0.00	8.43
PCB-111		2,3,3',5,5' - PeCB		<0.925	<0.354	0		111	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-112		2,3,3',5,6 - PeCB		<0.935	<0.376	0		112	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-114		2,3,4,4',5 - PeCB		K1.75	<0.477	0	103	114	4.4	22	23	4.5	0.00	0.00	0.07	0.00	0.00	0.15
PCB-118		2,3',4,4',5 - PeCB		42.3	7.9	368.5	100	118	4.8	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-120		2,3',4,5,5' - PeCB		<0.894	<0.343	0		120	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-121		2,3',4,5',6 - PeCB		<0.949	<0.365	0		121	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-122		2',3,3',4,5 - PeCB		<1.02	<0.486	0		122	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-123		2',3,4,4',5 - PeCB		K1.69	<0.485	0	102	123	4.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-126		3,3',4,4',5 - PeCB		<0.939	K0.971	0	99.8	126	2.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-127		3,3',4,5,5' - PeCB		<0.914	<0.441	0		127	1.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-128/166		2,2',3,3',4,4' - HxCB		K4.40	<0.422	32.7		128	4.4	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-129/138/160/163		2,2',3,3',4,5 - HxCB		42.7	K2.34	402		129	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-130		2,2',3,3',4,5' - HxCB		2.23	<0.591	11.15		130	4.0	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.41
PCB-131		2,2',3,3',4,6 - HxCB		<0.542	<0.591	0		131	4.2	22	23	4.5	0.00	0.00	0.03	0.00	0.00	0.00
PCB-132		2,2',3,3',4,6' - HxCB		15.9	<0.573	157.5		132	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-133		2,2',3,3',5,5' - HxCB		<0.507	<0.551	7.3		133	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-134/143		2,2',3,3',5,6 - HxCB		<0.543	<0.584	0		134	4.8	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-135/151/154		2,2',3,3',5,6' - HxCB		27.6	<0.320	396		135	5.3	22	23	4.5	0.00	0.00	0.00	0.00	0.00	0.00
PCB-136		2,2',3,3',6,6' - HxCB		10.1	<0.260	124.5		136	5.3	22	23	4.5	0.00					

Table D-10
EPA-Qualified December SPMD Data and Calculations

Sample Location	Name	Day Zero-031217	LAB BLANK	SPIKED MATRIX	IUPAC NO.	Coefficient: k1(s) (L/g*d) (Meadows et al 1998)	Time (days)	State Line	Barker Road	Plante's Ferry	Boulder Beach	Dam Forebay	Monroe Street	Riverside State Pk	
CLIENT ID		L6425-15	WG11043-101	WG11043-102				AN-11LP-031218	AN-12LP A-031217	AN-01LP A-031217	AN-02LP A-031217	AN-03LP A-031217	AN-13LP-031218	AN-14LP-031217	
Axys ID		WG11043	WG11043	5x Max Blank											
WORKGROUP		pg/sample	pg/sample	pg/sample				% REC	Rs	Days if 17th	Days if 18th	Ms	EAF*	pg/L	
UNITS														pg/L	
PCB-148	2,2',3,4',5,6' - HxCB	K0.093	<0.340	0		148	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-150	2,2',3,4',6,6' - HxCB	<0.0284	<0.256	0		150	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-152	2,2',3,5,6,6' - HxCB	<0.0278	<0.253	0		152	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-153/168	2,2',4,4',5,5' - HxCB	49.8	3.02	625		153	3.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-155	2,2',4,4',6,6' - HxCB	K0.499	K0.199	0	98.7	155	4.2	22	23	4.5	0.00	0.00	0.01	0.01	0.02
PCB-156/157	2,3,3',4,4',5 - HxCB	6.56	K5.17	64	97.4	156	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-158	2,3,3',4,4',6 - HxCB	K4.46	<0.365	46.1		158	3.5	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-159	2,3,3',4,5,5' - HxCB	1.08	<0.375	8.2		159	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-161	2,3,3',4,5,6 - HxCB	<0.369	<0.400	0		161	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-162	2,3,3',4,5,5' - HxCB	<0.358	<0.375	0		162	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-164	2,3,3',4,5,6 - HxCB	2.84	<0.403	31.95		164	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-165	2,3,3',5,5,6 - HxCB	<0.413	<0.436	0		165	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-167	2,3',4,4',5,5' - HxCB	2.49	2.6	25.45	97.5	167	4.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-169	3,3',4,4',5,5' - HxCB	<0.594	<0.434	0	95.8	169	2.1	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-170	2,2',3,3',4,4',5 - HpCB	K7.87	K0.599	59		170	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-171/173	2,2',3,3',4,4',6 - HpCB	K3.28	K0.135	28.9		171	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-172	2,2',3,3',4,5,5' - HpCB	1.63	<0.0248	8.15		172	1.3	22	23	4.5	0.00	0.00	0.00	0.00	0.59
PCB-174	2,2',3,3',4,5,6' - HpCB	14.3	K0.025	140		174	3.1	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-175	2,2',3,3',4,5,6' - HpCB	K0.395	K0.104	0		175	2.6	22	23	4.5	0.00	0.39	0.00	0.00	0.00
PCB-176	2,2',3,3',4,6,6' - HpCB	3.97	K0.086	37.15		176	2.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-177	2,2',3,3',4',5,6 - HpCB	7.21	0.496	70		177	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-178	2,2',3,3',5,5,6 - HpCB	K4.09	K0.120	0		178	3.1	22	23	4.5	0.22	1.78	0.16	0.17	0.11
PCB-179	2,2',3,3',5,6,6' - HpCB	10.9	K0.050	138		179	2.2	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-180/193	2,2',3,4,4',5,5' - HpCB	23.9	1.51	213		180	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-181	2,2',3,4,4',5,6 - HpCB	K0.240	K0.057	0		181	2.6	22	23	4.5	0.00	0.00	0.01	0.00	0.02
PCB-182	2,2',3,4,4',5,6 - HpCB	K0.326	K0.152	0		182	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-183/185	2,2',3,4,4',5,6 - HpCB	11.9	0.441	123		183	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-184	2,2',3,4,4',6,6' - HpCB	K0.184	K0.037	0		184	2.6	22	23	4.5	0.00	0.00	0.00	0.01	0.00
PCB-186	2,2',3,4,5,6,6' - HpCB	K0.081	<0.0187	0		186	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-187	2,2',3,4',5,5,6 - HpCB	24.1	0.981	236		187	3.5	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-188	2,2',3,4',5,6,6' - HpCB	K0.243	K0.151	0	96.9	188	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-189	2,3,3',4,4',5,5' - HpCB	K1.02	K1.49	0	98.7	189	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-190	2,3,3',4,4',5,6 - HpCB	K1.95	K0.166	0		190	2.6	22	23	4.5	0.11	0.73	0.08	0.00	0.05
PCB-191	2,3,3',4,4',5,6 - HpCB	0.329	<0.0184	1.645		191	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-192	2,3,3',4,5,5,6 - HpCB	<0.0350	K0.094	0		192	2.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-194	2,2',3,3',4,4',5,5' - OcCB	3.41	K0.262	22.35		194	1.3	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-195	2,2',3,3',4,4',5,6 - OcCB	K2.06	K0.135	9.95		195	1.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-196	2,2',3,3',4,4',5,6' - OcCB	2.6	K0.127	13		196	1.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-197/200	2,2',3,3',4,4',6,6' - OcCB	K1.86	K0.047	16.45		197	1.6	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-198/199	2,2',3,3',4,5,5,6 - OcCB	6.84	K0.371	59		198	1.8	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-201	2,2',3,3',4,5,6,6' - OcCB	1.77	K0.049	15.05		201	1.8	22	23	4.5	0.00	0.00	0.00	0.00	0.00
PCB-202	2,2',3,3',5,5,6,6' - OcCB	3.47	<0.0215	31.2	96.6	202	1.6	22	23	4.5	0.00	0.00</			